

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK

In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Western District of Arkansas on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.):

DOCKET NO. 5:21-cv-05109	DATE FILED 6/11/2021	U.S. DISTRICT COURT Western District of Arkansas
PLAINTIFF Camelbak Products, LLC		DEFENDANT Zak Designs, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,463,911	10/11/2016	Camelbak
2 9,782,028	10/10/2017	Camelbak
3 9,820,595	11/21/2017	Camelbak
4 10,165,879	1/1/2019	Camelbak
5 10,542,833	1/28/2020	Camelbak

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED 6/11/2021	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☒ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 10,676,255	6/9/2020	Camelbak
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT		
CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5613290

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
WELLS FARGO BANK, NATIONAL ASSOCIATION, AS ADMINISTRATIVE AGENT		07/10/2019
RECEIVING PARTY DATA		
Name:	BEE STINGER, LLC	
Street Address:	584 EAST 1100 SOUTH	
Internal Address:	SUITE 5	
City:	AMERICAN FORK	
State/Country:	UTAH	
Postal Code:	84003	
Name:	BELL SPORTS, INC.	
Street Address:	5550 SCOTTS VALLEY DRIVE	
City:	SCOTTS VALLEY	
State/Country:	CALIFORNIA	
Postal Code:	95066	
Name:	BUSHNELL HOLDINGS, INC.	
Street Address:	9200 CODY	
City:	OVERLAND PARK	
State/Country:	KANSAS	
Postal Code:	66214	
Name:	BUSHNELL INC.	
Street Address:	9200 CODY	
City:	OVERLAND PARK	
State/Country:	KANSAS	
Postal Code:	66214	
Name:	MICHAELS OF OREGON CO.	
Street Address:	9200 CODY	
City:	OVERLAND PARK	
State/Country:	KANSAS	
Postal Code:	66214	
Name:	STONE POINT PRODUCTS, INC.	

Street Address:	9200 CODY STREET
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66214
Name:	C PREME LIMITED LLC
Street Address:	1250 E 223RD STREET
Internal Address:	SUITE 116
City:	CARSON
State/Country:	CALIFORNIA
Postal Code:	90745
Name:	CAMELBAK PRODUCTS, LLC
Street Address:	2000 S. MCDOWELL BLVD.
Internal Address:	SUITE 200
City:	PETALUMA
State/Country:	CALIFORNIA
Postal Code:	94954
Name:	EAGLE INDUSTRIES UNLIMITED, INC.
Street Address:	2645 INTERNATIONAL PARKWAY
City:	VIRGINIA BEACH
State/Country:	VIRGINIA
Postal Code:	23452
Name:	FEDERAL CARTRIDGE COMPANY
Street Address:	900 EHLEN DRIVE
City:	ANOKA
State/Country:	MINNESOTA
Postal Code:	55303
Name:	GOLD TIP, LLC
Street Address:	584 EAST 1100 SOUTH
Internal Address:	SUITE 5
City:	AMERICAN FORK
State/Country:	UTAH
Postal Code:	84003
Name:	NORTHSTAR OUTDOORS, LLC, FORMERLY KNOWN AS JIMMY STYKS LLC
Street Address:	9200 CODY
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66214
Name:	LOGAN OUTDOOR PRODUCTS, LLC

Street Address:	3985 NORTH 75 WEST
City:	HYDE PARK
State/Country:	UTAH
Postal Code:	84318
Name:	MILLETT INDUSTRIES
Street Address:	9200 CODY
City:	OVERLAND PARK
State/Country:	KANSAS
Postal Code:	66214
Name:	NIGHT OPTICS USA, INC.
Street Address:	605 ORO DAM BLVD.
City:	OROVILLE
State/Country:	CALIFORNIA
Postal Code:	95965
Name:	VISTA OUTDOOR OPERATIONS LLC
Street Address:	1 VISTA WAY
City:	ANOKA
State/Country:	MINNESOTA
Postal Code:	55303
Name:	VISTA OUTDOOR INC.
Street Address:	1 VISTA WAY
City:	ANOKA
State/Country:	MINNESOTA
Postal Code:	55303

PROPERTY NUMBERS Total: 607

Property Type	Number
Patent Number:	6997174
Patent Number:	6449776
Patent Number:	6904618
Patent Number:	7069601
Patent Number:	7111329
Patent Number:	7140049
Patent Number:	7178955
Patent Number:	7222374
Patent Number:	7246383
Patent Number:	7636954
Patent Number:	7739783
Patent Number:	7797765

Property Type	Number
Patent Number:	7895678
Patent Number:	8020219
Patent Number:	8032993
Patent Number:	8161577
Patent Number:	8162803
Patent Number:	8251388
Patent Number:	8549671
Patent Number:	8656974
Patent Number:	9215904
Patent Number:	9302725
Patent Number:	9351539
Patent Number:	9376841
Patent Number:	9414636
Patent Number:	9433259
Patent Number:	9474318
Patent Number:	9549583
Patent Number:	9554606
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Patent Number:	9756893
Patent Number:	9795180
Patent Number:	9814281
Patent Number:	9833032
Patent Number:	9872532
Patent Number:	9883709
Patent Number:	9907347
Patent Number:	9920876
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Patent Number:	D724791
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Patent Number:	D744170
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Patent Number:	D775767
Patent Number:	D776357
Patent Number:	D783905
Patent Number:	D785421
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Property Type	Number
Patent Number:	D794253
Patent Number:	D794255
Patent Number:	D798689
Patent Number:	D801586
Patent Number:	D572113
Patent Number:	D508150
Patent Number:	6603602
Patent Number:	7265901
Patent Number:	6296415
Patent Number:	6527614
Patent Number:	6575804
Patent Number:	7037167
Patent Number:	7475699
Patent Number:	7717124
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Patent Number:	7984725
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Patent Number:	8146876
Patent Number:	8256732
Patent Number:	8469326
Patent Number:	8517792
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Patent Number:	8776814
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Patent Number:	9010710
Patent Number:	9044006
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Patent Number:	9326499
Patent Number:	9410879
Patent Number:	9456597
Patent Number:	D497564
Patent Number:	D498165
Patent Number:	D502119
Patent Number:	D510973

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Patent Number:	D551314
Patent Number:	D555530
Patent Number:	D618838
Patent Number:	D621470
Patent Number:	D639197
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Patent Number:	D671437
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Patent Number:	D492715
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Patent Number:	D496957
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Patent Number:	6020996
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Patent Number:	D537246
Patent Number:	D539030
Patent Number:	D543353
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Patent Number:	6244187
Patent Number:	6305292
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Patent Number:	8783152
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Patent Number:	8920694
Patent Number:	9366510
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Patent Number:	D695055
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Patent Number:	7607393
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Patent Number:	7685755
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Patent Number:	8206522
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Patent Number:	8251266
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Patent Number:	8418265
Patent Number:	8444056
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Patent Number:	8460486
Patent Number:	8469245
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Patent Number:	9329009
Patent Number:	9360223

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Patent Number:	9383165
Patent Number:	9457910
Patent Number:	9470492
Patent Number:	9494397
Patent Number:	9554637
Patent Number:	9562754
Patent Number:	9651339
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Patent Number:	D505773
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Patent Number:	D508318
Patent Number:	D510249
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Patent Number:	D512561
Patent Number:	D513958
Patent Number:	D517775
Patent Number:	D522214
Patent Number:	D539027
Patent Number:	D541963
Patent Number:	D549860
Patent Number:	D567707
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Patent Number:	D614723
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Patent Number:	D624279
Patent Number:	D626309
Patent Number:	D629176
Patent Number:	D629996
Patent Number:	D632059
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Patent Number:	D641541
Patent Number:	D641959
Patent Number:	D645110
Patent Number:	D648412
Patent Number:	D650152
Patent Number:	D653848
Patent Number:	D654248
Patent Number:	D689975
Patent Number:	D723653

Property Type	Number
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Patent Number:	D779621
Patent Number:	D792550
Patent Number:	D801041
Patent Number:	D802914
Patent Number:	D808490
Patent Number:	D809622
Patent Number:	D810226
Patent Number:	D813338
Patent Number:	D813974
Patent Number:	7077048
Application Number:	14613670
Application Number:	15621948
Application Number:	29606326
Application Number:	29606328
Application Number:	62550539
Application Number:	15726286
Application Number:	14642287
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Application Number:	15851680
Application Number:	14939753
Application Number:	29626029
Application Number:	15880475
Application Number:	15395232
Application Number:	14833779
Application Number:	15360481
Application Number:	15425100
Application Number:	15331053
Application Number:	14962636
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Application Number:	14940348
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Application Number:	15702300
Application Number:	15818615
Application Number:	15702631
Application Number:	15713517
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Application Number:	15257753
Application Number:	15342052
Application Number:	15792649
Application Number:	15187500
Application Number:	15702519
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Application Number:	15968220
Application Number:	15926887
Application Number:	62636048
Application Number:	29618023
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Application Number:	15839290

Property Type	Number
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Application Number:	29637254
Application Number:	29637255
Application Number:	29630302
Application Number:	29630305
Application Number:	29638078
Application Number:	29585093
Application Number:	29637468
Application Number:	29619217
Application Number:	29624491
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Application Number:	15650551
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Application Number:	29633972
Application Number:	29631822
Application Number:	62565291
Application Number:	62566826
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Application Number:	29607874
Application Number:	29611167
Application Number:	15792332
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Application Number:	29565625
Application Number:	15593211
Application Number:	15593199
Application Number:	62524697
Application Number:	29583253
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Application Number:	29607733
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Application Number:	29607736
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Property Type	Number
Application Number:	15491776
Application Number:	15638862
Application Number:	15593451
Application Number:	62486156
Application Number:	62533510
Application Number:	62533401
Application Number:	29621219
Application Number:	29611392
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Application Number:	29609161
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Application Number:	29626954
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Property Type	Number
Application Number:	15723616
Application Number:	29591132
Application Number:	29610910
Application Number:	62533281
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Application Number:	29576915
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Application Number:	29634339
Application Number:	29609732
Application Number:	29634368
Application Number:	15426885
Application Number:	62619851
Application Number:	15654043
Application Number:	15608617
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Application Number:	15699325
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Application Number:	15286296
Application Number:	62643330
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Application Number:	62518334
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Application Number:	62482973
Application Number:	15946948
Application Number:	62535213
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Application Number:	15892000
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Application Number:	15331631
Application Number:	15799728
Application Number:	15821478

Property Type	Number
Application Number:	29635655
Application Number:	29634361
Application Number:	15876186
Application Number:	29591046
Application Number:	15709043
Application Number:	29578177
Application Number:	15375797
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Application Number:	15352330
Application Number:	29636143
Application Number:	29638074
Application Number:	29636973
Application Number:	15884227
Application Number:	29579375
Application Number:	15832320
Application Number:	29561483
Application Number:	29561481
Application Number:	29613481
Application Number:	62563683
Application Number:	62647265
Application Number:	29575016
Application Number:	15596531
Application Number:	15195769
Application Number:	14156269

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3128637141

Email: kristen.lange@goldbergkohn.com

Correspondent Name: KRISTEN N. LANGE, PARALEGAL

Address Line 1: C/O GOLDBERG KOHN LTD.

Address Line 2: 55 E. MONROE STREET, SUITE 3300

Address Line 4: CHICAGO, ILLINOIS 60603

ATTORNEY DOCKET NUMBER:	1989.582
NAME OF SUBMITTER:	KRISTEN N. LANGE
SIGNATURE:	/kristenlange/

DATE SIGNED:	07/11/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
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RELEASE OF TERM LOAN INTELLECTUAL PROPERTY SECURITY AGREEMENT

THIS RELEASE OF TERM LOAN INTELLECTUAL PROPERTY SECURITY AGREEMENT ("Release") is made as of this 10th day of July, 2019, by WELLS FARGO BANK, NATIONAL ASSOCIATION, as Administrative Agent ("Administrative Agent"), in favor of BEE STINGER, LLC, a Delaware limited liability company, BELL SPORTS, INC., a California corporation, BUSHNELL HOLDINGS, INC., a Delaware corporation, BUSHNELL INC., a Delaware corporation, MICHAELS OF OREGON CO., an Oregon corporation, STONEY POINT PRODUCTS, INC., a Minnesota corporation, C PREME LIMITED LLC, a California limited liability company, CAMELBAK PRODUCTS, LLC, a Delaware limited liability company, EAGLE INDUSTRIES UNLIMITED, INC., a Minnesota corporation, FEDERAL CARTRIDGE COMPANY, a Minnesota corporation, GOLD TIP, LLC, a Delaware limited liability company, NORTHSTAR OUTDOORS, LLC, formerly known as Jimmy Styks LLC, a California limited liability company, LOGAN OUTDOOR PRODUCTS, LLC, a Utah limited liability company, MILLETT INDUSTRIES, a California corporation, NIGHT OPTICS USA, INC., a California corporation, VISTA OUTDOOR INC., a Delaware corporation (the "Borrower") and VISTA OUTDOOR OPERATIONS LLC, a Delaware limited liability company (collectively, the "Companies").

Reference is made to (i) that certain Term Loan Credit Agreement dated November 19, 2018, as amended by that certain First Amendment to Term Loan Credit Agreement dated December 19, 2018 (as the same heretofore may have been amended, restated, supplemented, extended, renewed, replaced or otherwise modified from time to time, herein referred to as the "Term Loan Credit Agreement"), among the Borrower, the Lenders from time to time party thereto and Administrative Agent, (ii) that certain Term Loan Security Agreement

dated November 19, 2018 (as the same heretofore may have been amended, restated, supplemented, extended, renewed, replaced or otherwise modified from time to time, herein referred to as the "Term Loan Security Agreement"), among the Borrower, the Grantors, the other subsidiaries of the Borrower from time to time party thereto and Administrative Agent for the benefit of Secured Parties and (iii) that certain Term Loan Intellectual Property Security Agreement dated November 19, 2018 (as the same heretofore may have been amended, restated, supplemented, extended, renewed, replaced or otherwise modified from time to time, herein referred to as the "Term Loan Intellectual Property Security Agreement"), among the Companies and Administrative Agent. Capitalized terms used herein and not otherwise defined shall have the meanings assigned to such terms in the Term Loan Credit Agreement or the Term Loan Security Agreement.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and adequacy of which are hereby acknowledged, and pursuant to Section 30 of the Term Loan Security Agreement and Section 9.09 of the Term Loan Credit Agreement and acting in reliance upon that certain Payoff Letter dated on or about the date hereof, Administrative Agent releases, relinquishes and discharges any and all liens and security interests it has against the Released IP Collateral (as defined below), and hereby reassigns to the Companies any and all right, title and interest that Administrative Agent may have in or to such Released IP Collateral; *provided, however,* that it is understood and agreed that such release, relinquishment, discharge and reassignment is made without recourse, representation, warranty or other assurance of any kind (express or implied).

For purposes of this Release, the "Released IP Collateral" means the patents listed on Schedule A, the trademarks listed on Schedule B, and the copyrights listed on Schedule C

Release of Term Loan Intellectual Property Security Agreement

attached hereto and made a part hereof, which liens and security interests were established under and pursuant to the Term Loan Intellectual Property Security Agreement and recorded (i) with the United States Patent and Trademark Office on November 19, 2018 at Reel/Frame 47602/0001 with respect to the patents, (ii) with the United States Patent and Trademark Office on November 19, 2018 at Reel/Frame 6485/0204 with respect to the trademarks, and (iii) with the US Copyright Office on December 04, 2018.

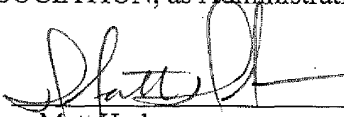
Administrative Agent hereby authorizes the Companies and their successors, assigns or other legal representatives, as applicable, to make filings with the United States Patent and Trademark Office and other necessary filings, in each case at the expense of the Borrower, to evidence the release and termination of Administrative Agent's security interests in the Released IP Collateral.

THIS RELEASE SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK AND SHALL BE BINDING UPON ADMINISTRATIVE AGENT'S REPRESENTATIVES, SUCCESSORS, ASSIGNS AND TRANSFEREES.

[Signature Page Follows]

IN WITNESS WHEREOF, Administrative Agent has caused this Release to be
executed by its authorized officer as of the date of this Release.

WELLS FARGO BANK, NATIONAL
ASSOCIATION, as Administrative Agent

By: 
Name: Matt Harbour
Title: Authorized Signatory

Signature Page to Release of Term Loan Intellectual Property Security Agreement

**Schedule A to the
Release of Term Loan Intellectual Property Agreement**

PATENTS

	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
1.	Bee Stinger, LLC	Bow Stabilizer	United States of America	6997174	10/623,430	7/18/2003	2/14/2006
2.	Bell Sports, Inc.	Removable Mounting Bracket For Expanded Plastic Foam Articles	United States of America	6449776	9784860	2/15/2001	9/17/2002
3.	Bell Sports, Inc.	Sports Helmet With Adjustable Ventilation	United States of America	6904618	10462270	6/16/2003	6/14/2005
4.	Bell Sports, Inc.	Head Protection System And Method	United States of America	7069601	10898598	7/23/2004	7/4/2006
5.	Bell Sports, Inc.	Helmet Reinforcement System	United States of America	7111329	10/879421	6/29/2004	9/26/2006
6.	Bell Sports, Inc.	Helmet Protection System	United States of America	7140049	10911243	8/3/2004	11/28/2006
7.	Bell Sports, Inc.	Safety Headlight	United States of America	7178955	10706743	11/12/2003	2/20/2007
8.	Bell Sports, Inc.	Head Gear Fitting System	United States of America	7222374	10856423	5/26/2004	5/29/2007
9.	Bell Sports, Inc.	Fit Adjustment Mechanism For Helmets	United States of America	7246383	10855185	5/27/2004	7/24/2007
10.	Bell Sports, Inc.	System For Accommodating Helmet	United States	7636954	10911246	8/3/2004	12/29/2009

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Accessories	of America				
11.	Bell Sports, Inc.	Head Protection System And Method	United States of America	7739783	11427518	6/29/2006	6/22/2010
12.	Bell Sports, Inc.	Lens Replacement System	United States of America	7797765	11617291	12/28/2006	9/21/2010
13.	Bell Sports, Inc.	Helmet With Improved Shield Mount And Precision Shield Control	United States of America	7895678	11834188	8/6/2007	3/1/2011
14.	Bell Sports, Inc.	Strap Anchor System And Method	United States of America	8020219	11173437	7/1/2005	9/20/2011
15.	Bell Sports, Inc.	Adjustment Mechanism	United States of America	8032993	12350632	1/8/2009	10/11/2011
16.	Bell Sports, Inc.	Helmet With Improved Shield Mount And Precision Shield Control	United States of America	8161577	12194594	8/20/2008	4/24/2012
17.	Bell Sports, Inc.	Magnetic Resistance Trainer Power Measurement	United States of America	8162803	12701113	2/5/2010	4/24/2012
18.	Bell Sports, Inc.	Bicycle Child Seat	United States of America	8251388	12550807	8/31/2009	8/28/2012
19.	Bell Sports, Inc.	Helmet Having Magnetically Coupled Cheek Pads	United States of America	8549671	12/985784	1/6/2011	10/8/2013
20.	Bell Sports, Inc.	Adjustable Inner Tube	United States of America	8656974	11/760,881	6/11/2007	2/25/2014

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
21.	Bell Sports, Inc.	Helmet Having Magnetically Coupled Cheek Pads	United States of America	9215904	14/047875	10/7/2013	12/22/2015
22.	Bell Sports, Inc.	Locking Rack System For Bicycles	United States of America	9302725	13831078	3/14/2013	4/5/2016
23.	Bell Sports, Inc.	Controlled Release Buckle	United States of America	9351539	13/711194	12/11/2012	5/31/2016
24.	Bell Sports, Inc.	Flexible U-lock	United States of America	9376841	14476389	9/3/2014	6/28/2016
25.	Bell Sports, Inc.	Protective Bicycle Helmet With Internal Ventilation System	United States of America	9414636	13838138	3/15/2013	8/16/2016
26.	Bell Sports, Inc.	Self-actuating Webbing Adjuster And Helmet Strap System Including Same	United States of America	9433259	14/061,795	10/24/2013	9/6/2016
27.	Bell Sports, Inc.	Protective Snow And Ski Helmet	United States of America	9474318	13/835536	3/15/2013	10/25/2016
28.	Bell Sports, Inc.	Helmet With Integrated Electronic Components	United States of America	9549583	14/146,597	1/2/2014	1/24/2017
29.	Bell Sports, Inc.	Protective Headwear Assembly Having A Built-in Camera	United States of America	9554606	14/030406	9/18/2013	1/31/2017
30.	Bell Sports, Inc.	Locking Rack System For Bicycles	United States of America	9694867	15091243	4/5/2016	7/4/2017
31.	Bell Sports, Inc.	Integrated Fit And	United States	9756893	11/218102	8/31/2005	9/12/2017

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Retention System	of America				
32.	Bell Sports, Inc.	System And Method For Coupling Helmet Components And Liners	United States of America	9795180	14/500535	9/29/2014	10/24/2017
33.	Bell Sports, Inc.	Combination Shoelace And Hook And Loop Fasteners Shoe Tightening System With Replaceable Shoelaces	United States of America	9814281	15/429862	2/10/2017	11/14/2017
34.	Bell Sports, Inc.	Multi-body Helmet Construction With Shield Mounting	United States of America	9833032	14/640178	3/6/2015	12/5/2017
35.	Bell Sports, Inc.	Sweat Management Pad For Protective Helmets	United States of America	9872532	15/395077	12/30/2016	1/23/2018
36.	Bell Sports, Inc.	Mechanically Joined Helmet Bodies And Method For Same	United States of America	9883709	15/395558	12/30/2016	2/6/2018
37.	Bell Sports, Inc.	Flex Spring Helmet	United States of America	9907347	14790968	7/2/2015	3/6/2018
38.	Bell Sports, Inc.	Accessory Mount	United States of America	9920876	15/261206	9/9/2016	3/20/2018
39.	Bell Sports, Inc.	Protective Motorsports Helmet	United States of America	D705490	29/454,156	5/7/2013	5/20/2014
40.	Bell Sports, Inc.	Protective Motorsports Helmet	United States of America	D715999	29/454,157	5/7/2013	10/21/2014

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
41.	Bell Sports, Inc.	Protective Motorsports Mask	United States of America	D724791	29/454,159	5/7/2013	3/17/2015
42.	Bell Sports, Inc.	Helmet (star Series With Fov)	United States of America	D735949	29476164	12/11/2013	8/4/2015
43.	Bell Sports, Inc.	Helmet Design (star - Side Burns)	United States of America	D735950	29476170	12/11/2013	8/4/2015
44.	Bell Sports, Inc.	Discord Gs38 Helmet Design 1	United States of America	D744170	29490079	5/6/2014	11/24/2015
45.	Bell Sports, Inc.	Discord Gs38 Helmet Design 2	United States of America	D749273	29490143	5/7/2014	2/9/2016
46.	Bell Sports, Inc.	Bicycle Helmet	United States of America	D775767	29/533,364	7/16/2015	1/3/2017
47.	Bell Sports, Inc.	Helmet	United States of America	D776357	29/532,354	7/6/2015	1/10/2017
48.	Bell Sports, Inc.	Bicycle Helmet (synthe Design)	United States of America	D783905	29/532252	7/2/2015	4/11/2017
49.	Bell Sports, Inc.	Bicycle Multi-tool	United States of America	D785421	29/539851	9/17/2015	5/2/2017
50.	Bell Sports, Inc.	Bicycle Lock	United States of America	D791572	29/544603	11/4/2015	7/11/2017
51.	Bell Sports, Inc.	Helmet	United States of America	D794253	29/587028	12/8/2016	8/8/2017
52.	Bell Sports, Inc.	Bicycle Helmet	United States of America	D794255	29/589162	12/28/2016	8/8/2017

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
53.	Bell Sports, Inc.	Bicycle Lock	United States of America	D798689	29/539854	9/17/2015	10/3/2017
54.	Bell Sports, Inc.	Bicycle Helmet	United States of America	D801586	29/600339	4/11/2017	10/31/2017
55.	Bell Sports, Inc.	Adaptive Fit Helmet And Method□□ for Fitting Helmet To Customer Head	United States of America		14/613670	2/4/2015	
56.	Bell Sports, Inc.	Adjustable Elastomeric Helmet Multi-Liner Retainer and Method of Assembling Multi-Liner Helmet	United States of America		15/621948	6/13/2017	
57.	Bell Sports, Inc.	Bicycle Helmet	United States of America		29/606326	6/2/2017	
58.	Bell Sports, Inc.	Bicycle Helmet	United States of America		29/606328	6/2/2017	
59.	Bell Sports, Inc.	Clip-Free Helmet Visors	United States of America		62550539	8/25/2017	
60.	Bell Sports, Inc.	Combination Shoelace And Hook And Loop Fasteners Shoe Tightening System With Replaceable Shoelaces	United States of America		15/726,286	10/5/2017	
61.	Bell Sports, Inc.	Enduro Mountain Biking Chin Bar	United States of America		14/642287	3/9/2015	
62.	Bell Sports, Inc.	Expanded Field Of View For Full-face Motorcycle	United States		14/708124	5/8/2015	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Helmet	of America				
63.	Bell Sports, Inc.	Flex Spring Helmet	United States of America		15/913782	3/6/2018	
64.	Bell Sports, Inc.	Friction Stop Strap Adjustor	United States of America		15/238600	8/16/2016	
65.	Bell Sports, Inc.	Goggles with Interchangeable Locking Strap	United States of America		15/851680	12/21/2017	
66.	Bell Sports, Inc.	Halter Bib Athletic Garment	United States of America		14/939753	11/12/2015	
67.	Bell Sports, Inc.	Halter Bib Athletic Garment	United States of America		29/626029	11/14/2017	
68.	Bell Sports, Inc.	Helmet Comprising a Segmented Shell	United States of America		15/880475	1/25/2018	
69.	Bell Sports, Inc.	Helmet Comprising Integrated Rotational Impact Attenuation And Fit System	United States of America		15/395,232	12/30/2016	
70.	Bell Sports, Inc.	Helmet Dampening Fit System	United States of America		14833779	8/24/2015	
71.	Bell Sports, Inc.	Helmet Fit Adjustment System With Detachable Hair Opening Strap	United States of America		15/360,481	11/23/2016	
72.	Bell Sports, Inc.	Helmet Goggle Strap Holder	United States of America		15/425,100	2/6/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
73.	Bell Sports, Inc.	Helmet Having A Chin Bar Collar	United States of America		15/331053	10/21/2016	
74.	Bell Sports, Inc.	Helmet Having Magnetically Coupled Cheek Pads	United States of America		14/962636	12/8/2015	
75.	Bell Sports, Inc.	Helmet Safety Lighting System	United States of America		15/392768	12/28/2016	
76.	Bell Sports, Inc.	Helmet Strap Attachment Method And Device	United States of America		14/940348	11/13/2015	
77.	Bell Sports, Inc.	Helmet Vent Bezel	United States of America		15/638121	6/29/2017	
78.	Bell Sports, Inc.	Helmet With Airflow Ventilation Through An Earpad	United States of America		14/993288	1/12/2016	
79.	Bell Sports, Inc.	Helmet With Boundary Nub And Elastomer Retainers	United States of America		15/395,639	12/30/2016	
80.	Bell Sports, Inc.	Helmet With Integrated Electronics And Helmet Visor Controls	United States of America		14/812,135	7/29/2015	
81.	Bell Sports, Inc.	Helmet With Integrated Electronics And Helmet Visor Controls	United States of America		15/945583	4/4/2018	
82.	Bell Sports, Inc.	Helmet with Integrated Shoulder Pad	United States of America		15/880042	1/25/2018	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
83.	Bell Sports, Inc.	Helmet With Mounted Camera	United States of America		15/413,674	1/24/2017	
84.	Bell Sports, Inc.	Helmet with Removable Chin Bar	United States of America		15/702300	9/12/2017	
85.	Bell Sports, Inc.	Integrated Bicycle Frame Bag	United States of America		15/818615	11/20/2017	
86.	Bell Sports, Inc.	Integrated Fit And Retention System	United States of America		15/702631	9/12/2017	
87.	Bell Sports, Inc.	Interlocking Co-Molded Helmet Energy Management Liner	United States of America		15/713517	9/22/2017	
88.	Bell Sports, Inc.	Interposed Goggle Frame Snap Assembly	United States of America		15/814239	11/15/2017	
89.	Bell Sports, Inc.	LED Lights in EPS Foam to Illuminate Helmet Retention System	United States of America		62/503842	5/9/2017	
90.	Bell Sports, Inc.	Locking Liner For Helmet	United States of America		14/674772	3/31/2015	
91.	Bell Sports, Inc.	Mini Pump with Integrated Valve Core Tool	United States of America		15/702,465	9/12/2017	
92.	Bell Sports, Inc.	Multi-body Helmet Construction And Strap Attachment Method	United States of America		14/640148	3/6/2015	
93.	Bell Sports, Inc.	Multi-body Helmet Construction With Shield	United States of America		15/832684	12/5/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Mounting					
94.	Bell Sports, Inc.	Multi-component Helmet Construction	United States of America		15/925485	3/19/2018	
95.	Bell Sports, Inc.	Multi-component Helmet Construction (rogue)	United States of America		13/834397	3/15/2013	
96.	Bell Sports, Inc.	Multi-Tool with Quicklink Removal Tool	United States of America		62/550544	8/25/2017	
97.	Bell Sports, Inc.	No Slip One-piece Strap Adjustor	United States of America		14/671356	3/27/2015	
98.	Bell Sports, Inc.	Partial Outer Hard Shell Helmet With Fiber Filled Plastic	United States of America		15/804875	11/6/2017	
99.	Bell Sports, Inc.	Protective Bicycle Helmet With Internal Ventilation System	United States of America		15/238507	8/16/2016	
100.	Bell Sports, Inc.	Protective Helmet with Integrated Rotational Limiter	United States of America		15/638257	6/29/2017	
101.	Bell Sports, Inc.	Protective Helmet with Multi-Density Impact Liners and Method for Same	United States of America		15/638217	6/29/2017	
102.	Bell Sports, Inc.	Protective Helmet With Multiple Energy Management Liners	United States of America		15/374,597	12/9/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
103.	Bell Sports, Inc.	Protective Helmet With Multiple Pseudo-spherical Energy Management Liners	United States of America		15/394,567	12/29/2016	
104.	Bell Sports, Inc.	Quicklink Multi-Tool	United States of America		29/624914	11/6/2017	
105.	Bell Sports, Inc.	Self-actuating Webbing Adjuster And Helmet Strap System Including Same	United States of America		15/257,753	9/6/2016	
106.	Bell Sports, Inc.	Shock Absorbing Helmet	United States of America		15/342052	11/2/2016	
107.	Bell Sports, Inc.	System And Method For Coupling Helmet Components And Liners	United States of America		15792649	10/24/2017	
108.	Bell Sports, Inc.	Time Trial Bicycle Helmet With Ear Shield	United States of America		15/187500	6/20/2016	
109.	Bell Sports, Inc.	Tire Repair Tool and Method of Repairing a Tire Puncture with Tire Plugs	United States of America		15702519	9/12/2017	
110.	Bell Sports, Inc.	Truncated Helmet	United States of America		62/503200	5/8/2017	
111.	Bell Sports, Inc.	System and method for custom forming a protective helmet for a customer's head	United States of America	10085510	14156269	01/15/2014	07/24/2014
112.	Bell Sports, Inc.	U-Lock	United States of America	D572113	29250642	11/27/2006	07/01/2008

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
113.	Bell Sports, Inc.	Bicycle helmet	United States of America	D508150	29188477	08/19/2003	08/02/2005
114.	Bell Sports, Inc.	In-mold rotation helmet	United States of America		14935874	10/28/2015	
115.	Bell Sports, Inc.	Multiplayer helmet and method for making the same	United States of America		14563003	12/08/2014	
116.	Bell Sports, Inc.	Locking liner for helmet	United States of America		15989099	05/24/2018	
117.	Bell Sports, Inc.	Helmet safety lighting system	United States of America		15968220	05/01/2018	
118.	Bell Sports, Inc.	Accessory mount	United States of America		15926887	03/20/2018	
119.	Bushnell Corporation ¹	Portable Telescope Mount with Integral Locator Using Magnetic Encoders for Facilitating Location of Objects and Positioning of a Telescope	United States of America	6603602	09/780822	2/9/2001	8/5/2003
120.	Bushnell Corporation	Telescope Mount Having Locator System and Drive Mechanism for Locating Objects and Positioning Telescope	United States of America	7265901	11/329882	1/11/2006	9/4/2007
121.	Bushnell Holdings,	CAM TYPE HUB AND STRUT FOR USE IN	United States	6296415	09/300677	4/27/1999	10/2/2001

¹ Patent Nos. 6603602 and 7265901 were incorrectly assigned to Bushnell Corporation rather than Bushnell Inc. The Parent Borrower is working to resolve the issue.

	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Inc.	PORTABLE AND SEMI-PERMANENT STRUCTURES	of America				
122.	Bushnell Holdings, Inc.	Game Call Assembly System and Method	United States of America	6527614	10/159335	5/31/2002	3/4/2003
123.	Bushnell Holdings, Inc.	Manually Manipulable Game Call Apparatus	United States of America	6575804	10/011528	11/5/2001	6/10/2003
124.	Bushnell Holdings, Inc.	Whistle Game Call Apparatus and Method	United States of America	7037167	10/752,179	1/6/2004	5/2/2006
125.	Bushnell Holdings, Inc.	COLLAPSIBLE BLIND	United States of America	7475699	11024143	12/24/2004	1/13/2009
126.	Bushnell Holdings, Inc.	COLLAPSIBLE BLIND	United States of America	7717124	12/345,548	12/29/2008	5/18/2010
127.	Bushnell Holdings, Inc.	ARCHERY BOW COVER AND SLING APPARATUS	United States of America	7770768	11/465,778	8/18/2006	8/10/2010
128.	Bushnell Holdings, Inc.	Turkey Decoy Apparatus	United States of America	7784213	11/767396	6/22/2007	8/31/2010
129.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	7845602	11/556,606	11/3/2006	12/7/2010
130.	Bushnell Holdings, Inc.	Combined Game Call Apparatus	United States of America	7918709	11/619063	1/2/2007	4/5/2011
131.	Bushnell Holdings, Inc.	Collapsible Blind	United States of America	7984725	12/774596	5/5/2010	7/26/2011

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
132.	Bushnell Holdings, Inc.	Apparatus and Method for Illuminating Blood	United States of America	7988318	12/197092	8/22/2008	8/2/2011
133.	Bushnell Holdings, Inc.	TELESCOPING SUPPORT STAND APPARATUS	United States of America	8146876	12/198,560	8/26/2008	4/3/2012
134.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	8256732	13/436,160	3/30/2012	9/4/2012
135.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	8469326	13/601,949	8/31/2012	6/25/2013
136.	Bushnell Holdings, Inc.	BOX CALL WITH MAGNETIC HINGE AND METHODS	United States of America	8517792	13/043,805	3/9/2011	8/27/2013
137.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	8714508	13/924,326	6/21/2013	5/6/2014
138.	Bushnell Holdings, Inc.	Window Adjustment System for Blinds	United States of America	8776814	13/207296	8/10/2011	7/15/2014
139.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	8820693	13/526911	6/19/2012	9/2/2014
140.	Bushnell Holdings, Inc.	Ground Blind With Improved Access Opening	United States of America	8915258	13/350617	1/13/2012	12/23/2014
141.	Bushnell Holdings, Inc.	Telescoping Support Stand Apparatus	United States of America	9010710	14/270,164	5/5/2014	4/21/2015
142.	Bushnell Holdings, Inc.	Game Decoy Lift Apparatus and Methods	United States of America	9044006	13/533,899	6/26/2012	6/2/2015

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
143.	Bushnell Holdings, Inc.	Apparatus and Method to Attract Animals	United States of America	9107401	13/281341	10/25/2011	8/18/2015
144.	Bushnell Holdings, Inc.	Adjustable Tone Game Call	United States of America	9326499	13/711939	12/12/2012	5/3/2016
145.	Bushnell Holdings, Inc.	High Definition Blood Trailing Flashlight	United States of America	9410879	14/262,469	4/25/2014	8/9/2016
146.	Bushnell Holdings, Inc.	Lockable and Adjustable Friction Game Call Apparatus and Methods	United States of America	9456597	13/533690	6/26/2012	10/4/2016
147.	Bushnell Holdings, Inc.	OPEN REED GAME CALL APPARATUS	United States of America	D497564	29/199,100	2/10/2004	10/26/2004
148.	Bushnell Holdings, Inc.	OPEN REED GAME CALL APPARATUS	United States of America	D498165	29/199,102	2/10/2004	11/9/2004
149.	Bushnell Holdings, Inc.	CLOSED/OPEN REED GAME CALL APPARATUS	United States of America	D502119	29/199,140	2/10/2004	2/22/2005
150.	Bushnell Holdings, Inc.	ARCHERY BOW SLING AND COVER APPARATUS	United States of America	D510973	29/197,346	1/14/2004	10/25/2005
151.	Bushnell Holdings, Inc.	ARCHERY BOW SLING AND COVER APPARATUS	United States of America	D551314	29/248,526	8/18/2006	9/18/2007
152.	Bushnell Holdings, Inc.	GAME CALL	United States of America	D555530	29/279,464	5/1/2007	11/20/2007
153.	Bushnell Holdings,	HAND-HELD	United States	D618838	29/321,587	7/18/2008	6/29/2010

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Inc.	FLASHLIGHT	of America				
154.	Bushnell Holdings, Inc.	TREE STUMP	United States of America	D621470	29/353,669	1/12/2010	8/10/2010
155.	Bushnell Holdings, Inc.	COMBINATION GAME CALL APPARATUS	United States of America	D639197	29/379,142	11/15/2010	6/7/2011
156.	Bushnell Holdings, Inc.	Hands Free Game Call Apparatus	United States of America	D649899	29/386552	3/2/2011	12/6/2011
157.	Bushnell Holdings, Inc.	Grunt Wheeze Game Call Apparatus	United States of America	D671437	29/422,847	5/24/2012	11/27/2012
158.	Bushnell Holdings, Inc.	System and Methods for Attracting Predatory Animals	United States of America		62/636048	2/27/2018	
159.	Bushnell Holdings, Inc.	Trigger Stick Assemblies	United States of America		29/618023	9/18/2017	
160.	Bushnell Inc.	Spectacles (Stream)	United States of America	D488183	29/180084	4/21/2003	4/6/2004
161.	Bushnell Inc.	Sunglasses	United States of America	D492715	29/187246	7/30/2003	7/6/2004
162.	Bushnell Inc.	Sunglasses	United States of America	D494206	29/187247	7/30/2003	8/10/2004
163.	Bushnell Inc.	Protective Goggles	United States of America	D496957	29/187245	7/30/2003	10/5/2004
164.	Bushnell Inc.	Spectacles	United States of America	D500071	29/193941	11/18/2003	12/21/2004

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
165.	Bushnell Inc.	Protective Goggles	United States of America	D510099	29/187248	7/30/2003	9/27/2005
166.	Bushnell Inc.	Telescope zoom lens assembly	United States of America	5959770	09/090287	6/4/1998	9/28/1999
167.	Bushnell Inc.	Telescope and accessory coding system and method	United States of America	6020996	09/128825	8/4/1998	2/1/2000
168.	Bushnell Inc.	Lens Coating to Reduce External Fogging of Scope Lenses	United States of America	6542302	09/961750	9/24/2001	4/1/2003
169.	Bushnell Inc.	PORTABLE TELESCOPE MOUNT WITH INTEGRAL LOCATOR USING MAGNETIC ENCODERS FOR FACILITATING LOCATION OF OBJECTS AND POSITIONING OF A TELESCOPE	United States of America	6671091	10/198519	7/18/2002	12/30/2003
170.	Bushnell Inc.	Speed Measuring Device with Statistic Gathering Capability	United States of America	6683558	10/214492	8/6/2002	1/27/2004
171.	Bushnell Inc.	COLLAPSIBLE HUNTING BLIND	United States of America	6698131	10/186520	7/1/2002	3/2/2004
172.	Bushnell Inc.	Apparatus and Method for Allowing User to Track Path of Travel Over Extended Period of Time	United States of America	7123189	10/881,459	6/30/2004	10/17/2006

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
173.	Bushnell Inc.	Method, Device, and Computer Program for Determining a Range to a Target	United States of America	7239377	10/964206	10/13/2004	7/3/2007
174.	Bushnell Inc.	Position-Based On/Off Switch Scope	United States of America	7346400	11/190244	7/27/2005	3/18/2008
175.	Bushnell Inc.	TRIGGER ACTUATED STABILIZATION DEVICE	United States of America	7401431	11/021563	12/22/2004	7/22/2008
176.	Bushnell Inc.	Method of Determining Orientation of a Telescope	United States of America	7518792	11/150806	6/10/2005	4/14/2009
177.	Bushnell Inc.	Trail Camera	United States of America	7534056	11/184204	7/19/2005	5/19/2009
178.	Bushnell Inc.	METHOD, DEVICE, AND COMPUTER PROGRAM FOR DETERMINING RANGE TO A TARGET	United States of America	7535553	11/678417	2/23/2007	5/19/2009
179.	Bushnell Inc.	Flexible Supports for Rifles, Spotting Scopes and the Like	United States of America	7571563	11/276020	2/9/2006	8/11/2009
180.	Bushnell Inc.	Auto Zoom Aiming Device	United States of America	7656579	11/804750	5/21/2007	2/2/2010
181.	Bushnell Inc.	Handheld Rangefinder Operable to Determine Hold-Over Ballistic Information	United States of America	7658031	11/314,593	12/21/2005	2/9/2010

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
182.	Bushnell Inc.	Method, Device, and Computer Program for Determining Range to a Target	United States of America	7859650	12/463629	5/11/2009	12/28/2010
183.	Bushnell Inc.	Handheld Rangefinder Operable to Determine Hold-Over Ballistic Information	United States of America	8081298	12/179087	7/24/2008	12/20/2011
184.	Bushnell Inc.	Synchronized Elevation Trajectory Rifle Scope	United States of America	9151570	13661785	10/26/2012	10/6/2015
185.	Bushnell Inc.	GUN BARREL AND TUBE CLEANING DEVICE	United States of America	9228790	12/608,711	10/29/2009	1/5/2016
186.	Bushnell Inc.	Concealable Holster	United States of America	9267760	14/084328	11/19/2013	2/23/2016
187.	Bushnell Inc.	BINOCULAR HOUSING AND USER INTERFACE	United States of America	D538317	29/251434	1/6/2006	3/13/2007
188.	Bushnell Inc.	Binocular Housing and User Interface	United States of America	D544897	29/243201	11/21/2005	6/19/2007
189.	Bushnell Inc.	Personal Locator Device	United States of America	D596514	29331563	1/28/2009	7/21/2009
190.	Bushnell Inc.	Adjustable Holster Support System	United States of America		62/634128	2/22/2018	
191.	Bushnell Inc.	Bike Helmet with Improved Vent Cover	United States of America		15/839290	12/12/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
192.	Bushnell Inc.	Case and Pull Handle for Gun Cleaning Device	United States of America		29/610762	7/14/2017	
193.	Bushnell Inc.	Helmet	United States of America		29/637254	2/15/2018	
194.	Bushnell Inc.	Helmet	United States of America		29/637255	2/15/2018	
195.	Bushnell Inc.	Helmet	United States of America		29/630302	12/20/2017	
196.	Bushnell Inc.	Helmet	United States of America		29/630305	12/20/2017	
197.	Bushnell Inc.	Holster Support	United States of America		29/638078	2/23/2018	
198.	Bushnell Inc.	Laser Range Finder with Wind Sensor	United States of America		29/585093	11/21/2016	
199.	Bushnell Inc.	Laser Range Finder with Wind Sensor	United States of America		29/637468	2/19/2018	
200.	Bushnell Inc.	Rangefinder	United States of America		29/619217	9/27/2017	
201.	Bushnell Inc.	Rangefinder	United States of America		29/624491	11/1/2017	
202.	Bushnell Inc.	Scope Mount	United States of America		29/622765	10/19/2017	
203.	Bushnell Inc.	Storage Case with Pull Handle for Gun Cleaning	United States of America		15/650551	7/14/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Tool					
204.	Bushnell Inc.	System and Method for Introducing Display Image Into a Focal Optics Device	United States of America		15/425499	2/6/2017	
205.	Bushnell Inc.	Trail Camera	United States of America		29/633972	1/17/2018	
206.	Bushnell Inc.	View Through Rangefinder Display	United States of America		29/631822	1/3/2018	
207.	Bushnell Inc.	Displaying Wind-Related Information with Golf Laser Rangefinders	United States of America		62565291	9/29/2017	
208.	Bushnell Inc.	Golf Laser Rangefinders	United States of America		62/566826	10/2/2017	
209.	Bushnell Inc.	Golf Laser Rangefinders	United States of America		62567064	10/2/2017	
210.	Bushnell Inc.	Layup Planning with Golf Laser Rangefinders	United States of America		62/566874	10/2/2017	
211.	Bushnell Inc.	Multi-Function Gunsight	United States of America	10041763	15/639111	6/30/2017	8/7/2018
212.	Michaels of Oregon Co.	HOLSTER SECUREMENT SYSTEM	United States of America	6161741	09/351462	7/12/1999	12/19/2000
213.	Stoney Point Products, Inc.	Portable Shooter's Rest	United States of America	6253482	09/397713	9/16/1999	7/3/2001
214.	Michaels of Oregon	Firearm Stock with Support	United States	6289622	09/337931	6/22/1999	9/18/2001

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Co.	System	of America				
215.	Michaels of Oregon Co.	QUICK-DETACHABLE SLING SWIVEL	United States of America	6354034	09/437961	11/10/1999	3/12/2002
216.	Michaels of Oregon Co.	FOLDING STOCK	United States of America	6470617	10/003172	10/31/2001	10/29/2002
217.	Michaels of Oregon Co.	Handgun Holster with Internal Retention Device	United States of America	6547111	09/919975	7/31/2001	4/15/2003
218.	Michaels of Oregon Co.	Handgun Holster	United States of America	6641009	10/177585	6/19/2002	11/4/2003
219.	Stoney Point Products, Inc.	TELESCOPING MULTIPOD SUPPORT APPARATUS	United States of America	6663071	09/941506	8/28/2001	12/16/2003
220.	Michaels of Oregon Co.	HOLSTER SECUREMENT SYSTEM	United States of America	6685067	10/160731	5/30/2002	2/3/2004
221.	Michaels of Oregon Co.	SECURITY HOOD FOR HANDGUN HOLSTER AND THE LIKE	United States of America	7461765	10/916027	8/9/2004	12/9/2008
222.	Stoney Point Products, Inc.	ANTLER GRIP	United States of America	D516300	29/188848	8/25/2003	3/7/2006
223.	Stoney Point Products, Inc.	Releasably Retaining Telescoping Tubing Segments	United States of America	6027087	09/074200	5/7/1998	2/22/2000
224.	Bushnell Inc.	Lens Coating to Reduce External Fogging of Scope Lenses	United States of America	6816310	10/291452	11/8/2002	11/9/2004

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
225.	Bushnell Inc.	Lens Coating to Reduce External Fogging of Scope Lenses	United States of America	6906862	10/827055	4/19/2004	6/14/2005
226.	C Preme Limited LLC	Mohawk Helmet	United States of America	D674969	29401308	9/9/2011	1/22/2013
227.	C Preme Limited LLC	Spike Helmet	United States of America	D674970	29401310	9/9/2011	1/22/2013
228.	C Preme Limited LLC	Helmet	United States of America	D678618	29379922	11/26/2010	3/19/2013
229.	C Preme Limited LLC	Helmet	United States of America	D695965	29379924	11/26/2010	12/17/2013
230.	CamelBak Products, LLC	Personal Hydration System with an Improved Mouthpiece	United States of America	6032831	09/151,493	9/11/1998	3/7/2000
231.	CamelBak Products, LLC	Personal Hydration System with an Improved Mouthpiece	United States of America	6070767	09/118,196	7/17/1998	6/6/2000
232.	CamelBak Products, LLC	Personal Hydration System with an Improved Mouthpiece	United States of America	6364168	09/519,302	3/6/2000	4/2/2002
233.	CamelBak Products, LLC	HYDRATION SYSTEM WITH IMPROVED FLUID DELIVERY SYSTEM	United States of America	6497348	09/902,792	7/10/2001	12/24/2002
234.	CamelBak Products, LLC	Hydration System with Improved Fluid Reservoir	United States of America	6675998	09/902,935	7/10/2001	1/13/2004

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
235.	CamelBak Products, LLC	Neck-Supported Fluid Reservoir, Hydration Systems and Pack Assemblies Including the Same	United States of America	6820780	10/611,088	6/30/2003	11/23/2004
236.	CamelBak Products, LLC	PERSONAL HYDRATION SYSTEM WITH COMPONENT CONNECTIVITY	United States of America	6908015	10/267036	10/7/2002	6/21/2005
237.	CamelBak Products, LLC	Hydration System with Improved Fluid Reservoir	United States of America	7063243	10/952,227	9/27/2004	6/20/2006
238.	CamelBak Products, LLC	Hydration System with Improved Fluid Reservoir	United States of America	7070075	10/951,457	9/27/2004	7/4/2006
239.	CamelBak Products, LLC	PERSONAL HYDRATION SYSTEM WITH COMPONENT CONNECTIVITY	United States of America	7073688	10/617,879	7/9/2003	7/11/2006
240.	CamelBak Products, LLC	DRINK BOTTLES WITH BITE-ACTUATED MOUTHPIECES	United States of America	7533783	11/313,488	12/20/2005	5/19/2009
241.	CamelBak Products, LLC	PERSONAL HYDRATION SYSTEMS, DRYER MECHANISMS FOR USE WITH PERSONAL HYDRATION SYSTEMS, AND METHODS OF DRYING PERSONAL HYDRATION SYSTEM	United States of America	8177097	12/633,691	12/8/2009	5/15/2012

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		RESERVOIRS					
242.	CamelBak Products, LLC	DRINK CONTAINERS	United States of America	8191727	12/357,114	1/21/2009	6/5/2012
243.	CamelBak Products, LLC	METHODS OF ASSEMBLING MULTI-LAYERED DRINK-CONTAINERS	United States of America	8252224	12/465,015	5/13/2009	8/28/2012
244.	CamelBak Products, LLC	DRINK CONTAINERS	United States of America	8469226	13/620,078	9/14/2012	6/25/2013
245.	CamelBak Products, LLC	DRINK BOTTLES WITH BITE-ACTUATED MOUTHPIECES	United States of America	8622237	11/588,476	10/26/2006	1/7/2014
246.	CamelBak Products, LLC	DRINK BOTTLES	United States of America	8777048	12/133954	6/5/2008	7/15/2014
247.	CamelBak Products, LLC	DRINK CONTAINERS WITH CLOSURE RETENTION MECHANISMS	United States of America	8905252	14/199,817	3/6/2014	12/9/2014
248.	CamelBak Products, LLC	DRINK CONTAINERS AND CAP ASSEMBLIES	United States of America	9113698	14/203,303	3/10/2014	8/25/2015
249.	CamelBak Products, LLC	DRINK CONTAINERS AND CAP ASSEMBLIES	United States of America	9,456,710	14/831,421	8/20/2015	10/4/2016
250.	CamelBak Products, LLC	DRINK BOTTLES	United States of America	9,463,911	14/329,096	7/11/2014	10/11/2016
251.	CamelBak	DRINK CONTAINERS	United States	9782028	13/479,962	5/24/2012	10/10/2017

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Products, LLC		of America				
252.	CamelBak Products, LLC	Drink Containers	United States of America	9820595	15/398569	1/4/2017	11/21/2017
253.	CamelBak Products, LLC	PITCHER LID	United States of America	D707,082	29/445,016	2/6/2013	6/17/2014
254.	CamelBak Products, LLC	BOTTLE CAP	United States of America	D707,124	29/417,283	4/2/2012	6/17/2014
255.	CamelBak Products, LLC	PITCHER BODY	United States of America	D708,887	29/445,015	2/6/2013	7/15/2014
256.	CamelBak Products, LLC	PITCHER	United States of America	D708,888	29/445,014	2/6/2013	7/15/2014
257.	CamelBak Products, LLC	FILTER HOUSING FOR A WATER FILTRATION PITCHER	United States of America	D709,592	29/445,089	2/7/2013	7/22/2014
258.	CamelBak Products, LLC	BEVERAGE CONTAINER CAP	United States of America	D716,657	29/461,855	7/29/2013	11/4/2014
259.	CamelBak Products, LLC	BEVERAGE CONTAINER CAP DRINK SPOUT	United States of America	D719,444	29/461,791	7/26/2013	12/16/2014
260.	CamelBak Products, LLC	BEVERAGE CONTAINER CAP CLOSURE	United States of America	D719,445	29/461,857	7/29/2013	12/16/2014
261.	CamelBak Products, LLC	BEVERAGE CONTAINER CAP	United States of America	D719,780	29/461,793	7/26/2013	12/23/2014

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
262.	CamelBak Products, LLC	BOTTLE CLOSURE	United States of America	D719,827	29/479,706	1/17/2014	12/23/2014
263.	CamelBak Products, LLC	SPORTS BOTTLE	United States of America	D732,392	29/479,701	1/17/2014	6/23/2015
264.	CamelBak Products, LLC	Beverage Container	United States of America	D796902	29/565,326	5/19/2016	9/12/2017
265.	CamelBak Products, LLC	Beverage Container Lid	United States of America	D804241	29/565333	5/19/2016	12/5/2017
266.	CamelBak Products, LLC	Backpacks with Hip Belts and Compression Straps	United States of America		62/520908	6/16/2017	
267.	CamelBak Products, LLC	Beverage Container	United States of America		29/607870	6/16/2017	
268.	CamelBak Products, LLC	Beverage Container	United States of America		29/607874	6/16/2017	
269.	CamelBak Products, LLC	Beverage Container Cap	United States of America		29/611167	7/19/2017	
270.	CamelBak Products, LLC	Cap Assemblies with Magnetic Closure Retention Mechanisms and Drink Containers Including the Same	United States of America		15/792332	10/24/2017	
271.	CamelBak Products, LLC	DRINK BOTTLES	United States of America		15/287,915	10/7/2016	
272.	CamelBak Products, LLC	Drink Containers	United States of America		15/817013	11/17/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
273.	CamelBak Products, LLC	Drink Containers with Magnetic Closure Retention Mechanisms	United States of America		62/520001	6/15/2017	
274.	CamelBak Products, LLC	Hydration System	United States of America		29/565625	5/23/2016	
275.	CamelBak Products, LLC	BITE-ACTUATED MOUTHPIECE	United States of America	D547,606	29/236,004	8/9/2005	7/31/2007
276.	CamelBak Products, LLC	DRINK BOTTLE CAP	United States of America	D547,607	29/236,005	8/9/2005	7/31/2007
277.	EAGLE INDUSTRIES UNLIMITED, INC.	Cut Away Vest	United States of America	7020897	10/708313	2/24/2004	4/4/2006
278.	EAGLE INDUSTRIES UNLIMITED, INC.	Cut Away Vest	United States of America	7047570	10/604283	7/8/2003	5/23/2006
279.	EAGLE INDUSTRIES UNLIMITED, INC.	Cut Away Vest	United States of America	7243376	11/278905	4/6/2006	7/17/2007
280.	EAGLE INDUSTRIES UNLIMITED, INC.	Quick Release System For Armor Plates in a Ballistic Resistant Vest and Method	United States of America	7424748	11/422364	6/6/2006	9/16/2008
281.	EAGLE INDUSTRIES UNLIMITED, INC.	Animal Vest Sizing Device and Method	United States of America	7814673	12/369557	2/11/2009	10/19/2010
282.	EAGLE INDUSTRIES	Quick Release Garment	United States of America	7987523	11/627356	1/25/2007	8/2/2011

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	UNLIMITED, INC.						
283.	EAGLE INDUSTRIES UNLIMITED, INC.	Quick Release Garment	United States of America	8490212	11/671068	2/5/2007	7/23/2013
284.	EAGLE INDUSTRIES UNLIMITED, INC.	Holster With Interchangeable Cowlings	United States of America	8684242	12/032142	2/15/2008	4/1/2014
285.	EAGLE INDUSTRIES UNLIMITED, INC.	Modular Holster With Trigger Guard	United States of America	D537246	29/253529	2/8/2006	2/27/2007
286.	EAGLE INDUSTRIES UNLIMITED, INC.	Modular Holster With Trigger Guard	United States of America	D539030	29/253570	2/8/2006	3/27/2007
287.	EAGLE INDUSTRIES UNLIMITED, INC.	Modular Holster With Trigger Guard	United States of America	D543353	29/253569	2/8/2006	5/29/2007
288.	EAGLE INDUSTRIES UNLIMITED, INC.	Modular Holster With Trigger Guard	United States of America	D543354	29/253576	2/8/2006	5/29/2007
289.	Federal Cartridge Company	Captive Soft-Point Bullet	United States of America	6178890	09/256861	2/24/1999	1/30/2001
290.	Federal Cartridge Company	Increased Velocity-Performance-Range Bullet	United States of America	6244187	09/346182	7/1/1999	6/12/2001
291.	Federal Cartridge Company	Captive Soft-Point Bullet	United States of America	6305292	09/597017	6/20/2000	10/23/2001

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
292.	Federal Cartridge Company	Captive Soft-Point Bullet	United States of America	6530328	09/948198	9/7/2001	3/11/2003
293.	Federal Cartridge Company	Non-Toxic, Heavy-Metal-Free Shotshell Primer Mix	United States of America	6544363	09/702120	10/30/2000	4/8/2003
294.	Federal Cartridge Company	Bullet For Optimal Penetration and Expansion	United States of America	6805057	10/007604	11/7/2001	10/19/2004
295.	Federal Cartridge Company	Reduced Energy Training Cartridge For Self-Loading Firearms	United States of America	7225741	10/799898	3/12/2004	6/5/2007
296.	Federal Cartridge Company	Non-Lethal Marking Bullet For Related Training Cartridges	United States of America	7278358	10/846883	5/14/2004	10/9/2007
297.	Federal Cartridge Company	Reduced Energy Training Cartridge For Self-Loading Firearms	United States of America	7621208	11/616843	12/27/2006	11/24/2009
298.	Federal Cartridge Company	Reduced Energy Training Cartridge For Self-Loading Firearms	United States of America	7984668	12/625033	11/24/2009	7/26/2011
299.	Federal Cartridge Company	Non-Lethal Marking Bullet For Related Training Cartridges	United States of America	8146505	11/852181	9/7/2007	4/3/2012
300.	Federal Cartridge Company	Non-Lethal Marking Bullet For Related Training Cartridges	United States of America	8539885	13/437743	4/2/2012	9/24/2013
301.	Federal Cartridge Company	Reduced Energy Training Cartridge For Self-Loading	United States of America	8783152	13/650955	10/12/2012	7/22/2014

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Firearms					
302.	Gold Tip, LLC	Material Layering Device	United States of America	8221109	11/951174	12/5/2007	7/17/2012
303.	Gold Tip, LLC	Methods of Forming at Least One of a Composite Product and an Arrow Shaft, Material Layering Devices, Composite Products, and Arrow Shafts	United States of America	8920694	13/543594	7/6/2012	12/30/2014
304.	Gold Tip, LLC	Adaptor Assemblies for Arrow Assemblies and Arrow Assemblies Including Adaptor Assemblies	United States of America	9366510	14/600,998	1/20/2015	6/14/2016
305.	Gold Tip, LLC	Adaptor Assemblies for Arrow Assemblies and Arrow Assemblies Including Adaptor Assemblies	United States of America	9658036	15093144	4/7/2016	5/23/2017
306.	Gold Tip, LLC	Adaptor Assemblies for Arrow Assemblies and Arrow Assemblies Including Adaptor Assemblies	United States of America	9739581	15/178,820	6/10/2016	8/22/2017
307.	Jimmy Styks LLC	Venting Apparatus for a Floating Board	United States of America	8727824	13/271128	10/11/2011	5/20/2014
308.	Jimmy Styks LLC	Watersport Board Fins with Fin Retention Systems and Watersport Boards	United States of America		15/593211	5/11/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Containing the Same					
309.	Jimmy Styks LLC	Watersport Boards and Methods for Forming the Same	United States of America		15/593199	5/11/2017	
310.	Logan Outdoor Products, LLC	Holder for Cooking Poultry	United States of America	D525471	29/229060	5/2/2005	7/25/2006
311.	Logan Outdoor Products, LLC	Poultry Holder for Roasting Pans	United States of America	D554429	29/251092	1/4/2006	11/6/2007
312.	Logan Outdoor Products, LLC	Poultry Support Device	United States of America	D556508	29/260563	5/25/2006	12/4/2007
313.	Logan Outdoor Products, LLC	Fowl Support for Roasting Pan	United States of America	D557070	29/262403	6/30/2006	12/11/2007
314.	Logan Outdoor Products, LLC	Pizza Oven	United States of America	D693166	29/444566	1/31/2013	11/12/2013
315.	Logan Outdoor Products, LLC	Pizza Oven	United States of America	D693174	29/424501	6/13/2012	11/12/2013
316.	Logan Outdoor Products, LLC	Grill Box	United States of America	D695055	29/431197	9/5/2012	12/10/2013
317.	Logan Outdoor Products, LLC	Gas Stove	United States of America	D708001	29/455014	5/16/2013	7/1/2014
318.	Logan Outdoor Products, LLC	Direct Heat Pellet Grill System	United States of America		62/524697	6/26/2017	
319.	Logan Outdoor Products, LLC	Gas Stove	United States of America		29/583253	11/3/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
320.	Logan Outdoor Products, LLC	Gas Stove	United States of America		29/583258	11/3/2016	
321.	Logan Outdoor Products, LLC	Grill Skirt	United States of America		29/607733	6/15/2017	
322.	Logan Outdoor Products, LLC	Pellet Grill Body	United States of America		29/612707	8/3/2017	
323.	Logan Outdoor Products, LLC	Portable Fire Pit	United States of America		29/607736	6/15/2017	
324.	Logan Outdoor Products, LLC	Smoker	United States of America		29/590151	1/7/2017	
325.	Logan Outdoor Products, LLC	Smoker	United States of America		29/590152	1/7/2017	
326.	Logan Outdoor Products, LLC	Pellet Fueled Grill with Cleanout Port	United States of America		15/491776	4/19/2017	
327.	Logan Outdoor Products, LLC	Pellet Fueled Grill with Cleanout Port	United States of America	9635978	14/329678	7/11/2014	5/2/2017
328.	Logan Outdoor Products, LLC	Portable Screen	United States of America	D684209	29/422012	5/15/2012	6/11/2013
329.	Logan Outdoor Products, LLC	Portable Screen	United States of America	D685837	29/422003	5/15/2012	7/9/2013
330.	Logan Outdoor Products, LLC	Portable Screen	United States of America	D703258	29/422019	5/15/2012	4/22/2014
331.	Logan Outdoor Products, LLC	Safe Rack	United States of America	D713615	29/461842	7/29/2013	9/16/2014

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
332.	Logan Outdoor Products, LLC	Safe Handle	United States of America	D714515	29/461838	7/29/2013	9/30/2014
333.	Logan Outdoor Products, LLC	Safe Handle Block	United States of America	D715015	29/461840	7/29/2013	10/7/2014
334.	Logan Outdoor Products, LLC	Portable Screen	United States of America	D785071	29/516941	2/7/2015	4/25/2017
335.	MILLETT INDUSTRIES	ZOOM DOT SIGHTING SYSTEM	United States of America	6967775	10/889041	7/13/2004	11/22/2005
336.	Night Optics USA, Inc.	Clamping Device for Coaxially Coupling Optical Devices	United States of America	7870688	11/347465	2/3/2006	1/18/2011
337.	Stoney Point Products, Inc.	Articulated Aiming Support	United States of America	6637708	09/992166	11/14/2001	10/28/2003
338.	Vista Outdoor Operations LLC	Method of Manufacturing a Soft Point Bullet	United States of America	6581503	10/098647	3/13/2002	6/24/2003
339.	Vista Outdoor Operations LLC	Specialized Military and Police Combination Tool	United States of America	6671913	09/798265	3/2/2001	1/6/2004
340.	Vista Outdoor Operations LLC	Hydration Pouch With Detachable Hose	United States of America	6722533	10/085626	2/26/2002	4/20/2004
341.	Vista Outdoor Operations LLC	Recoil System For the Receiver of a Firearm	United States of America	6732466	10/223818	8/19/2002	5/11/2004
342.	Vista Outdoor Operations LLC	Soft Point Bullet	United States of America	6732657	10/421049	4/23/2003	5/11/2004
343.	Vista Outdoor	Ammunition Reloading Apparatus With Feed	United States	6772668	10/214977	8/7/2002	8/10/2004

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC	Mechanism	of America				
344.	Vista Outdoor Operations LLC	Lighting Device Having a Multi-Position Switch Assembly	United States of America	7281815	11/254159	10/19/2005	10/16/2007
345.	Vista Outdoor Operations LLC	Disposable Pouch Hydration System	United States of America	7311231	10/821574	4/9/2004	12/25/2007
346.	Vista Outdoor Operations LLC	Holster Holder Device	United States of America	7320420	10/777859	2/12/2004	1/22/2008
347.	Vista Outdoor Operations LLC	Recoil System For the Forend of a Firearm	United States of America	7340857	11/132872	5/19/2005	3/11/2008
348.	Vista Outdoor Operations LLC	Non-Contact Deviation Measurement System	United States of America	7383152	11/329215	1/10/2006	6/3/2008
349.	Vista Outdoor Operations LLC	Hooded Holster	United States of America	7434712	10/888047	7/9/2004	10/14/2008
350.	Vista Outdoor Operations LLC	Slug Ball Ammunition	United States of America	7607393	10/915210	8/10/2004	10/27/2009
351.	Vista Outdoor Operations LLC	Modular System Rifle Stock	United States of America	7,665,240	11/704,537	2/9/2007	2/23/2010
352.	Vista Outdoor Operations LLC	Firearm Stock Conversion Method	United States of America	7673413	11/796592	4/28/2007	3/9/2010
353.	Vista Outdoor Operations LLC	Recoil System	United States of America	7685755	12/008558	1/11/2008	3/30/2010
354.	Vista Outdoor Operations LLC	Folding Gunstock	United States of America	7698848	11/704023	2/8/2007	4/20/2010

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
355.	Vista Outdoor Operations LLC	Muzzleloader Ammunition	United States of America	7726245	12/109472	4/25/2008	6/1/2010
356.	Vista Outdoor Operations LLC	Offset Accessory Mount	United States of America	7735255	11/985659	11/16/2007	6/15/2010
357.	Vista Outdoor Operations LLC	Shotshell With Shot Pellets Having Multiple Shapes	United States of America	7765933	11/936012	11/6/2007	8/3/2010
358.	Vista Outdoor Operations LLC	Suspension System and Chin Strap Assembly For a Helmet	United States of America	7770239	12/079156	3/25/2008	8/10/2010
359.	Vista Outdoor Operations LLC	Recoil System For the Forend of a Firearm	United States of America	7770318	11/511805	8/29/2006	8/10/2010
360.	Vista Outdoor Operations LLC	Lightning Device	United States of America	7802898	11/900157	9/10/2007	9/28/2010
361.	Vista Outdoor Operations LLC	Modular Cheek Rest and Storage Assembly	United States of America	7805873	11/594578	11/8/2006	10/5/2010
362.	Vista Outdoor Operations LLC	Hydration System	United States of America	7806300	11/982683	11/2/2007	10/5/2010
363.	Vista Outdoor Operations LLC	Holster Retention System	United States of America	7841497	11/030270	1/6/2005	11/30/2010
364.	Vista Outdoor Operations LLC	Paddle Platform	United States of America	7866515	11/906628	10/3/2007	1/11/2011
365.	Vista Outdoor Operations LLC	Recoil Suppression System For the Stock of a Firearm	United States of America	7926216	12/263645	11/3/2008	4/19/2011
366.	Vista Outdoor	Torsion Spring Recoil System For the Forend of a	United States	7954268	12/263656	11/3/2008	6/7/2011

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC	Firearm	of America				
367.	Vista Outdoor Operations LLC	Offset Mountable Light Accessory	United States of America	7954971	11/985668	11/16/2007	6/7/2011
368.	Vista Outdoor Operations LLC	Non-Contact Deviation Measurement System	United States of America	7983873	12/131613	6/2/2008	7/19/2011
369.	Vista Outdoor Operations LLC	Modular Equipment Coupler	United States of America	8079503	11/703882	2/8/2007	12/20/2011
370.	Vista Outdoor Operations LLC	Folding Gunstock	United States of America	8109026	12/660632	3/2/2010	2/7/2012
371.	Vista Outdoor Operations LLC	Case Activation Bullet Feeding	United States of America	8122808	12/435138	5/4/2009	2/28/2012
372.	Vista Outdoor Operations LLC	Rapid Acquisition Shooting System	United States of America	8123180	11/934431	11/2/2007	2/28/2012
373.	Vista Outdoor Operations LLC	Offset Accessory Mount and Mounting System	United States of America	8132355	12/799959	5/5/2010	3/13/2012
374.	Vista Outdoor Operations LLC	Hooded Holster	United States of America	8177108	12/231476	9/3/2008	5/15/2012
375.	Vista Outdoor Operations LLC	Non-Toxic Percussion Primers and Methods of Preparing The Same	United States of America	8192568	12/029084	2/11/2008	6/5/2012
376.	Vista Outdoor Operations LLC	Recoil System For the Forend of a Firearm	United States of America	8201354	12/798810	4/12/2010	6/19/2012
377.	Vista Outdoor Operations LLC	Non-Toxic Percussion Primers and Methods of	United States of America	8202377	11/704530	2/9/2007	6/19/2012

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Preparing The Same					
378.	Vista Outdoor Operations LLC	Recoil Reducing Systems For a Stock	United States of America	8205371	12/657652	1/25/2010	6/26/2012
379.	Vista Outdoor Operations LLC	Non-Toxic, Heavy-Metal Free Sensitized Explosive Percussion Primers and Methods of Preparing the Same	United States of America	8206522	12/751607	3/31/2010	6/26/2012
380.	Vista Outdoor Operations LLC	Retention Holster Having a Guard and Guard Release	United States of America	8235263	11/350130	2/8/2006	8/7/2012
381.	Vista Outdoor Operations LLC	Rotatable Accessory Attachment Platform	United States of America	8251266	12/734012	10/9/2008	8/28/2012
382.	Vista Outdoor Operations LLC	Stock For a Firearm	United States of America	8296986	13/482041	5/29/2012	10/30/2012
383.	Vista Outdoor Operations LLC	Universal Mounting Platform	United States of America	8297562	11/906629	10/3/2007	10/30/2012
384.	Vista Outdoor Operations LLC	Releasable Vest	United States of America	8418265	11/895718	8/27/2007	4/16/2013
385.	Vista Outdoor Operations LLC	Multi-Colored Visishot Paper Targets	United States of America	8444056	11/432021	5/11/2006	5/21/2013
386.	Vista Outdoor Operations LLC	Offset Mountable Accessory	United States of America	8453369	13/154126	6/6/2011	6/4/2013
387.	Vista Outdoor Operations LLC	Non-Toxic Percussion Primers and Methods of Preparing the Same	United States of America	8454769	13/456920	4/26/2012	6/4/2013

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
388.	Vista Outdoor Operations LLC	Non-Toxic Percussion Primers and Methods of Preparing The Same	United States of America	8454770	13/473324	5/16/2012	6/4/2013
389.	Vista Outdoor Operations LLC	Percussion Primer Composition and Systems Incorporating Same	United States of America	8460486	13/477750	5/22/2012	6/11/2013
390.	Vista Outdoor Operations LLC	Rotatable Platform	United States of America	8469245	13/566065	8/3/2012	6/25/2013
391.	Vista Outdoor Operations LLC	Contact Switch For a Lighting Device	United States of America	8469540	12/806788	8/20/2010	6/25/2013
392.	Vista Outdoor Operations LLC	Non-Toxic, Heavy-Metal Free Explosive Percussion Primers and Methods of Preparing the Same	United States of America	8470107	13/477723	5/22/2012	6/25/2013
393.	Vista Outdoor Operations LLC	Firearm Support Devices and Related Methods	United States of America	8474170	12/551274	8/31/2009	7/2/2013
394.	Vista Outdoor Operations LLC	Holster Retention System	United States of America	8474670	12/925648	10/26/2010	7/2/2013
395.	Vista Outdoor Operations LLC	Marking Ammunition	United States of America	8485102	13/087187	4/14/2011	7/16/2013
396.	Vista Outdoor Operations LLC	Adjustable, Detachable Accessory Attachment System	United States of America	8517234	12/736522	4/15/2009	8/27/2013
397.	Vista Outdoor Operations LLC	Holster With Hood Assembly	United States of America	8517235	13/446273	4/13/2012	8/27/2013

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
398.	Vista Outdoor Operations LLC	Pull-Thru Firearm Cleaning System and Method	United States of America	8572883	13/300269	11/18/2011	11/5/2013
399.	Vista Outdoor Operations LLC	Releasable Vest	United States of America	8595862	12/733012	8/1/2008	12/3/2013
400.	Vista Outdoor Operations LLC	Case Annealer	United States of America	8707844	13/439579	4/4/2012	4/29/2014
401.	Vista Outdoor Operations LLC	Case Activation Bullet Feeder	United States of America	8707845	13/406200	2/27/2012	4/29/2014
402.	Vista Outdoor Operations LLC	Retention Holster For a Firearm Having an Offset Mounted Accessory	United States of America	8714423	11/985658	11/16/2007	5/6/2014
403.	Vista Outdoor Operations LLC	Lockable Holster Retention System	United States of America	8720755	13/508759	5/9/2012	5/13/2014
404.	Vista Outdoor Operations LLC	Multi-Disk Accessory Attachment Platform	United States of America	8783532	13/519381	1/13/2011	7/22/2014
405.	Vista Outdoor Operations LLC	Releasable Vest	United States of America	8826462	12/733011	11/3/2008	9/9/2014
406.	Vista Outdoor Operations LLC	Releasable Magazine Pouch	United States of America	8887972	13/691617	11/30/2012	11/18/2014
407.	Vista Outdoor Operations LLC	Releasable Vest	United States of America	8898814	12/735479	1/15/2009	12/2/2014
408.	Vista Outdoor Operations LLC	Projectile Assembly with Stabilization/Obturation Enhancement	United States of America	9046332	13/738,646	1/10/2013	6/2/2015

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
409.	Vista Outdoor Operations LLC	Jumpable Pack	United States of America	9,120,575	12/931,133	1/25/2011	9/1/2015
410.	Vista Outdoor Operations LLC	Holster	United States of America	9,134,093	13/911,710	6/6/2013	9/15/2015
411.	Vista Outdoor Operations LLC	Non-Contact Deviation Measurement System	United States of America	9134164	13/185,395	7/18/2011	9/15/2015
412.	Vista Outdoor Operations LLC	Muzzleloader Bullet System	United States of America	9146086	14/041,648	9/30/2013	9/29/2015
413.	Vista Outdoor Operations LLC	Limited Range Rifle Projectile	United States of America	9,157,713	14/213,061	3/14/2014	10/13/2015
414.	Vista Outdoor Operations LLC	Reloading Kit With Lead Free Bullet Composition	United States of America	9170080	14/208,271	3/13/2014	10/27/2015
415.	Vista Outdoor Operations LLC	Modular Illumination Device	United States of America	9,217,558	12/735,602	2/2/2009	12/22/2015
416.	Vista Outdoor Operations LLC	Annealing System for Cartridge Casings	United States of America	9248531	14/265,015	4/29/2014	2/2/2016
417.	Vista Outdoor Operations LLC	Combination Gas Operated Rifle and Subsonic Cartridge	United States of America	9,273,941	14/216,386	3/17/2014	3/1/2016
418.	Vista Outdoor Operations LLC	Multiple-Zero-Point Riflescope Turret System	United States of America	9297615	14/216047	3/17/2014	3/29/2016
419.	Vista Outdoor Operations LLC	Muzzleloader Systems	United States of America	9329003	14/041,452	9/30/2013	5/3/2016
420.	Vista Outdoor	Manufacturing Process to Produce Programmed	United States	9329009	14/216421	3/17/2014	5/3/2016

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC	Terminal Performance Projectiles	of America				
421.	Vista Outdoor Operations LLC	High Velocity Ignition System for Ammunition	United States of America	9360223	14/216130	3/17/2014	6/7/2016
422.	Vista Outdoor Operations LLC	Manufacturing Process to Produce Metalurgically Programmed Terminal Performance Projectiles	United States of America	9360284	14/214780	3/15/2014	6/7/2016
423.	Vista Outdoor Operations LLC	Advanced Muzzle Loader Ammunition	United States of America	9377277	13/959125	8/5/2013	6/28/2016
424.	Vista Outdoor Operations LLC	Lockable Holster	United States of America	9383165	14/229,944	3/30/2014	7/5/2016
425.	Vista Outdoor Operations LLC	Configurable Jump Pack	United States of America	9,457,910	14/841,228	8/31/2015	10/4/2016
426.	Vista Outdoor Operations LLC	Spin-Stabilized Non-Lethal Projectile with a Shear-Thinning Fluid	United States of America	9470492	14/372723	1/16/2013	10/18/2016
427.	Vista Outdoor Operations LLC	Polymer Projectile Having an Integrated Driving Band	United States of America	9494397	14/362089	11/30/2012	11/15/2016
428.	Vista Outdoor Operations LLC	Load Bearing Suspension System	United States of America	9554637	14/952981	11/26/2015	1/31/2017
429.	Vista Outdoor Operations LLC	Muzzleloader Systems	United States of America	9562754	14/869619	9/29/2015	2/7/2017
430.	Vista Outdoor Operations LLC	Vest Having Releasable Components	United States of America	9651339	14/451410	8/4/2014	5/16/2017

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
431.	Vista Outdoor Operations LLC	Combination Gas Operated Rifle and Subsonic Cartridge	United States of America	9651346	15057616	3/1/2016	5/16/2017
432.	Vista Outdoor Operations LLC	Portable Vacuuming Device for Collecting and Neutralizing Flammable Residue	United States of America	9700186	14/168693	1/30/2014	7/11/2017
433.	Vista Outdoor Operations LLC	Manufacturing Process to Produce Metalurgically Programmed Terminal Performance Projectiles	United States of America	9733052	15/175951	6/7/2016	8/15/2017
434.	Vista Outdoor Operations LLC	Shotgun Shell	United States of America	9739582	14/823769	8/11/2015	8/22/2017
435.	Vista Outdoor Operations LLC	Holster	United States of America	9759515	14/827959	8/17/2015	9/12/2017
436.	Vista Outdoor Operations LLC	Holster	United States of America	9777986	15/077583	3/22/2016	10/3/2017
437.	Vista Outdoor Operations LLC	Releasable Vest	United States of America	9801458	14/531983	11/3/2014	10/31/2017
438.	Vista Outdoor Operations LLC	Offset Firearm Selector Switch	United States of America	9829262	15144562	5/2/2016	11/28/2017
439.	Vista Outdoor Operations LLC	Spin-Stabilized Non-Lethal Projectile with a Shear-Thinning Fluid	United States of America	9835426	15/179219	6/10/2016	12/5/2017
440.	Vista Outdoor Operations LLC	Non-Contact Deviation Measurement System	United States of America	9835446	14/853470	9/14/2015	12/5/2017

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
441.	Vista Outdoor Operations LLC	Cartridge with Improved Penetration and Expansion Bullet	United States of America	9863746	15/219012	7/25/2016	1/9/2018
442.	Vista Outdoor Operations LLC	Shotshell Having Wad with Enhanced Fin Deployment	United States of America	9879957	15/295700	10/17/2016	1/30/2018
443.	Vista Outdoor Operations LLC	Riflescope Aiming System	United States of America	9885541	14/774680	3/15/2014	2/6/2018
444.	Vista Outdoor Operations LLC	Recoil Abatement Stock with Reduced Rattle	United States of America	9909835	14/997016	1/15/2016	3/6/2018
445.	Vista Outdoor Operations LLC	High Velocity Ignition System for Ammunition	United States of America	9921039	15/175885	6/7/2016	3/20/2018
446.	Vista Outdoor Operations LLC	Recoil Reducing Stock System	United States of America	9927206	14/996972	1/15/2016	3/27/2018
447.	Vista Outdoor Operations LLC	Cheek Pad	United States of America	D490494	29/178728	4/1/2003	5/25/2004
448.	Vista Outdoor Operations LLC	Belt	United States of America	D496143	29/191053	10/2/2003	9/21/2004
449.	Vista Outdoor Operations LLC	Blackhawk Logo Panel	United States of America	D500807	29/194777	12/2/2003	1/11/2005
450.	Vista Outdoor Operations LLC	Set of Components For a Load Bearing Harness	United States of America	D501592	29/178729	4/1/2003	2/1/2005
451.	Vista Outdoor Operations LLC	Flashlight Holder Cup	United States of America	D501989	29/199040	2/9/2004	2/22/2005
452.	Vista Outdoor	Rigid Holster	United States	D501991	29/199058	2/9/2004	2/22/2005

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC		of America				
453.	Vista Outdoor Operations LLC	Flashlight Holster	United States of America	D503039	29/199057	2/9/2004	3/22/2005
454.	Vista Outdoor Operations LLC	Hydration Backpack	United States of America	D505773	29/178739	4/1/2003	6/7/2005
455.	Vista Outdoor Operations LLC	Hydration Backpack	United States of America	D505774	29/178740	4/1/2003	6/7/2005
456.	Vista Outdoor Operations LLC	Holster Holder Device	United States of America	D507104	29/208936	7/7/2004	7/12/2005
457.	Vista Outdoor Operations LLC	Holster Holder Device	United States of America	D508318	29/208933	7/7/2004	8/16/2005
458.	Vista Outdoor Operations LLC	Knife Handle	United States of America	D510249	29/199245	2/11/2004	10/4/2005
459.	Vista Outdoor Operations LLC	Knife Handle	United States of America	D510514	29/199228	2/11/2004	10/11/2005
460.	Vista Outdoor Operations LLC	Rigid Holster	United States of America	D512561	29/199059	2/9/2004	12/13/2005
461.	Vista Outdoor Operations LLC	Knife Handle	United States of America	D513958	29/203992	4/22/2004	1/31/2006
462.	Vista Outdoor Operations LLC	Belt	United States of America	D517775	29/199063	2/9/2004	3/28/2006
463.	Vista Outdoor Operations LLC	Recoil Protection Pad	United States of America	D522214	29/203993	4/22/2004	6/6/2006

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
464.	Vista Outdoor Operations LLC	Combined Hydration Pack Cap and Mount	United States of America	D539027	29/199038	2/9/2004	3/27/2007
465.	Vista Outdoor Operations LLC	Flashlight	United States of America	D541963	29/260568	5/26/2006	5/1/2007
466.	Vista Outdoor Operations LLC	Flashlight	United States of America	D549860	29/240815	10/19/2005	8/28/2007
467.	Vista Outdoor Operations LLC	Belt Loop	United States of America	D567707	29/253584	2/8/2006	4/29/2008
468.	Vista Outdoor Operations LLC	Trousers	United States of America	D572434	29/271160	1/11/2007	7/8/2008
469.	Vista Outdoor Operations LLC	Gloves	United States of America	D577177	29/261694	6/19/2006	9/23/2008
470.	Vista Outdoor Operations LLC	Pants	United States of America	D580629	29/294912	2/2/2008	11/18/2008
471.	Vista Outdoor Operations LLC	Vest	United States of America	D580630	29/294919	2/2/2008	11/18/2008
472.	Vista Outdoor Operations LLC	Jacket	United States of America	D580631	29/294916	2/2/2008	11/18/2008
473.	Vista Outdoor Operations LLC	Shirt	United States of America	D580632	29/294918	2/2/2008	11/18/2008
474.	Vista Outdoor Operations LLC	Entry Ram	United States of America	D589769	29/312040	9/26/2008	4/7/2009
475.	Vista Outdoor Operations LLC	Information Tablet	United States of America	D597302	29/294911	2/2/2008	8/4/2009

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
476.	Vista Outdoor Operations LLC	Dagger	United States of America	D597627	29/312496	10/24/2008	8/4/2009
477.	Vista Outdoor Operations LLC	Suspension System and Chin Strap Assembly For a Helmet	United States of America	D604461	29/307088	3/31/2008	11/17/2009
478.	Vista Outdoor Operations LLC	Adjustable Grip For a Firearm	United States of America	D604794	29/289531	7/24/2007	11/24/2009
479.	Vista Outdoor Operations LLC	Fore End Stock For a Firearm	United States of America	D614723	29/289533	7/24/2007	4/27/2010
480.	Vista Outdoor Operations LLC	Firearm Forend	United States of America	D615142	29/327249	11/3/2008	5/4/2010
481.	Vista Outdoor Operations LLC	Rifle Stock	United States of America	D616056	29/327251	11/3/2008	5/18/2010
482.	Vista Outdoor Operations LLC	Gun Stock	United States of America	D616522	29/327250	11/3/2008	5/25/2010
483.	Vista Outdoor Operations LLC	Sleeping Bag	United States of America	D624279	29/294913	2/2/2008	9/28/2010
484.	Vista Outdoor Operations LLC	Sleeping Bag	United States of America	D626309	29/316128	8/26/2009	11/2/2010
485.	Vista Outdoor Operations LLC	Bivouac Bag	United States of America	D629176	29/316151	8/28/2009	12/21/2010
486.	Vista Outdoor Operations LLC	Glove Backhand	United States of America	D629996	29/316765	10/29/2009	1/4/2011
487.	Vista Outdoor	Shirt	United States	D632059	29/315034	5/20/2009	2/8/2011

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC		of America				
488.	Vista Outdoor Operations LLC	Hooded Sleeping Bag	United States of America	D641136	29/370725	8/27/2010	7/12/2011
489.	Vista Outdoor Operations LLC	Mummy-Style Sleeping Bag	United States of America	D641541	29/370729	8/27/2010	7/19/2011
490.	Vista Outdoor Operations LLC	Pants	United States of America	D641959	29/314934	5/11/2009	7/26/2011
491.	Vista Outdoor Operations LLC	Firearm Forend and Thumbhole Stock	United States of America	D645110	29/349144	3/11/2010	9/13/2011
492.	Vista Outdoor Operations LLC	Thumbhole Stock	United States of America	D648412	29/348638	1/25/2010	11/8/2011
493.	Vista Outdoor Operations LLC	Mobility Sleeping Bag	United States of America	D650152	29/316129	8/26/2009	12/13/2011
494.	Vista Outdoor Operations LLC	Paddle Platform	United States of America	D653848	29/372520	12/2/2010	2/14/2012
495.	Vista Outdoor Operations LLC	Sleeping Bag	United States of America	D654248	29/370017	5/27/2010	2/21/2012
496.	Vista Outdoor Operations LLC	Practice Projectile	United States of America	D689975	29/411064	1/16/2012	9/17/2013
497.	Vista Outdoor Operations LLC	Muzzleloader Propellant Cartridge	United States of America	D723,653	29/468,434	9/30/2013	3/3/2015
498.	Vista Outdoor Operations LLC	Practice Projectile	United States of America	D724690	29/467,245	9/17/2013	3/17/2015

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
499.	Vista Outdoor Operations LLC	SUPPRESSOR	United States of America	D779,621	29/557,572	3/10/2016	2/21/2017
500.	Vista Outdoor Operations LLC	Buttpad	United States of America	D792550	29/555144	2/18/2016	7/18/2017
501.	Vista Outdoor Operations LLC	Holster	United States of America	D801041	29/569417	6/27/2016	10/31/2017
502.	Vista Outdoor Operations LLC	Holster	United States of America	D802914	29/521233	3/20/2015	11/21/2017
503.	Vista Outdoor Operations LLC	Suppressor	United States of America	D808490	29/561485	4/15/2016	1/23/2018
504.	Vista Outdoor Operations LLC	Shotgun Wad	United States of America	D809622	29/553154	1/28/2016	2/6/2018
505.	Vista Outdoor Operations LLC	Shotgun Wad	United States of America	D810226	29/553822	2/4/2016	2/13/2018
506.	Vista Outdoor Operations LLC	Riflescope Turret	United States of America	D813338	29/539835	9/17/2015	3/20/2018
507.	Vista Outdoor Operations LLC	Cartridge with an Enhanced Ball Round	United States of America	D813974	29/544894	11/6/2015	3/27/2018
508.	Vista Outdoor Operations LLC	Adjustable Length Bi-Directional Folding Stock for Firearm	United States of America		15/638862	6/30/2017	
509.	Vista Outdoor Operations LLC	Adjustable Zero-Stop Turret	United States of America		15/593451	5/12/2017	
510.	Vista Outdoor	Ambidextrous Holster Convertible Between an	United States		62/486156	4/17/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC	IWB Configuration and an OWB Use Configuration	of America				
511.	Vista Outdoor Operations LLC	Ambidextrous Holster Convertible Between an IWB Configuration and an OWB Use Configuration	United States of America		62/533,510	7/17/2017	
512.	Vista Outdoor Operations LLC	Backup Gunsights	United States of America		62/533401	7/17/2017	
513.	Vista Outdoor Operations LLC	Backup Gunsights	United States of America		29/621219	10/5/2017	
514.	Vista Outdoor Operations LLC	Buckle for a Rifle Sling	United States of America		29/611392	7/20/2017	
515.	Vista Outdoor Operations LLC	Buckle for a Rifle Sling	United States of America		29/634119	1/18/2018	
516.	Vista Outdoor Operations LLC	Buttpad	United States of America		29/609161	6/28/2017	
517.	Vista Outdoor Operations LLC	Cartridge Packaging	United States of America		29/640827	3/16/2018	
518.	Vista Outdoor Operations LLC	Cartridge with Combined Effects Projectile	United States of America		62/492058	4/28/2017	
519.	Vista Outdoor Operations LLC	Cartridge with Improved Penetration and Expansion Bullet	United States of America		15/866153	1/9/2018	
520.	Vista Outdoor Operations LLC	Charging Handle	United States of America		29/577348	9/12/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
521.	Vista Outdoor Operations LLC	Charging Handle	United States of America		15/702168	9/12/2017	
522.	Vista Outdoor Operations LLC	Dual Way Magazine Loader	United States of America		29/591051	1/16/2017	
523.	Vista Outdoor Operations LLC	Dual Way Magazine Loader	United States of America		15/708960	9/19/2017	
524.	Vista Outdoor Operations LLC	Dual Way Magazine Loader Portion	United States of America		29/578,173	9/19/2016	
525.	Vista Outdoor Operations LLC	Electric Magazine Loader	United States of America		62/522784	6/21/2017	
526.	Vista Outdoor Operations LLC	Electronic Magazine Loader	United States of America		62/620381	1/22/2018	
527.	Vista Outdoor Operations LLC	Enhanced Ball Round	United States of America		29/637432	2/19/2018	
528.	Vista Outdoor Operations LLC	Extended Range Bullet	United States of America		15/870769	1/12/2018	
529.	Vista Outdoor Operations LLC	Firearm Stock	United States of America		29/586962	12/8/2016	
530.	Vista Outdoor Operations LLC	Forward Grip Laser (FGL)	United States of America		15/829663	12/1/2017	
531.	Vista Outdoor Operations LLC	Forward Grip Laser Sight	United States of America		29/621393	10/6/2017	
532.	Vista Outdoor Operations LLC	Full Performance Limited Range Projectile	United States of America		62/565723	9/29/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
533.	Vista Outdoor Operations LLC	Golf Laser Rangefinders with Hybrid Display	United States of America		62/497307	9/27/2017	
534.	Vista Outdoor Operations LLC	Gunsight	United States of America		29/609437	6/30/2017	
535.	Vista Outdoor Operations LLC	Gunsight	United States of America		29/610906	7/17/2017	
536.	Vista Outdoor Operations LLC	Handgun Cartridge with High Integrity Bullet	United States of America		14/722076	5/26/2015	
537.	Vista Outdoor Operations LLC	Head for Rimfire Cartridge Case	United States of America		62/653837	4/6/2018	
538.	Vista Outdoor Operations LLC	High Capacity Firearm Magazine	United States of America		15/621671	6/13/2017	
539.	Vista Outdoor Operations LLC	High Pressure Rifle Cartridge with Primer	United States of America		62/638513	3/5/2018	
540.	Vista Outdoor Operations LLC	High Velocity Ignition System for Ammunition	United States of America		15/926867	3/20/2018	
541.	Vista Outdoor Operations LLC	Holster	United States of America		15/702342	9/12/2017	
542.	Vista Outdoor Operations LLC	Holster	United States of America		15/076325	3/21/2016	
543.	Vista Outdoor Operations LLC	Holster	United States of America		29/626954	11/21/2017	
544.	Vista Outdoor Operations LLC	Holster	United States of America		29/624387	10/31/2017	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
545.	Vista Outdoor Operations LLC	Holster	United States of America		15/723616	10/3/2017	
546.	Vista Outdoor Operations LLC	Holster	United States of America		29/591132	1/17/2017	
547.	Vista Outdoor Operations LLC	Holster	United States of America		29/610910	7/17/2017	
548.	Vista Outdoor Operations LLC	Holster System with Removable Sight Covers	United States of America		62533281	7/17/2017	
549.	Vista Outdoor Operations LLC	Hunting Projectile	United States of America		15/646832	7/11/2017	
550.	Vista Outdoor Operations LLC	Kinetic Magazine Loader	United States of America		29/591048	1/16/2017	
551.	Vista Outdoor Operations LLC	Kinetic Magazine Loader	United States of America		29/576915	9/8/2016	
552.	Vista Outdoor Operations LLC	Kinetic Magazine Loader	United States of America		15/685704	8/24/2017	
553.	Vista Outdoor Operations LLC	Lockable Holster	United States of America		15/201552	7/4/2016	
554.	Vista Outdoor Operations LLC	Lockable Holster	United States of America		15/212226	7/16/2016	
555.	Vista Outdoor Operations LLC	Lockable Holster	United States of America		15/212259	7/17/2016	
556.	Vista Outdoor Operations LLC	Locking Holster for Handguns with Non-	United States of America		15/873830	1/17/2018	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
		Traditional Form Factors					
557.	Vista Outdoor Operations LLC	Magazine Loader	United States of America		29/571879	7/22/2016	
558.	Vista Outdoor Operations LLC	Magazine Loader	United States of America		29/634339	1/19/2018	
559.	Vista Outdoor Operations LLC	Magazine Loader Portion	United States of America		29/609732	7/5/2017	
560.	Vista Outdoor Operations LLC	Muzzleloader Propellant Cartridge	United States of America		29/634368	1/21/2018	
561.	Vista Outdoor Operations LLC	Muzzleloader Systems	United States of America		15/426885	2/7/2017	
562.	Vista Outdoor Operations LLC	Muzzleloader Systems	United States of America		62/619851	1/21/2018	
563.	Vista Outdoor Operations LLC	Optoelectronic gunsight	United States of America		15/654043	7/19/2017	
564.	Vista Outdoor Operations LLC	Pattern Configurable Reticle	United States of America		15/608617	5/30/2017	
565.	Vista Outdoor Operations LLC	Pistol Magazine Loader	United States of America		29/591,049	1/16/2017	
566.	Vista Outdoor Operations LLC	Pistol Magazine Loader	United States of America		15/699325	9/8/2017	
567.	Vista Outdoor Operations LLC	Pistol Magazine Loader Component	United States of America		29/576,953	9/8/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
568.	Vista Outdoor Operations LLC	Polymer Projectile Having an Integrated Driving Band	United States of America		15/286296	10/5/2016	
569.	Vista Outdoor Operations LLC	Priming Technique for Rimfire Cartridges	United States of America		62/643330	3/15/2018	
570.	Vista Outdoor Operations LLC	Prism Assemblies and Optical Devices Incorporating Prism Assemblies	United States of America		62/545027	8/14/2017	
571.	Vista Outdoor Operations LLC	Prism Assemblies and Optical Devices Incorporating Prism Assemblies	United States of America		62/545134	8/14/2017	
572.	Vista Outdoor Operations LLC	Projectile Top for Fluid Based Expansion at Lower Velocities	United States of America		62/518334	6/12/2017	
573.	Vista Outdoor Operations LLC	Projectiles with Insert-Molded Polymer Tips	United States of America		15/294171	10/14/2016	
574.	Vista Outdoor Operations LLC	Pull-Through Applicator Assembly For A Firearm	United States of America		62/482973	4/7/2017	
575.	Vista Outdoor Operations LLC	Pull-Through Applicator Assembly for a Firearm	United States of America		15/946,948	4/6/2018	
576.	Vista Outdoor Operations LLC	Rapid Adjust Buckle with Integral Flexible Pull Loop	United States of America		62/535213	7/20/2017	
577.	Vista Outdoor Operations LLC	Rapid Adjust Buckle with Integral Flexible Pull Loop	United States of America		62/620212	1/22/2018	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
578.	Vista Outdoor Operations LLC	Recoil Abatement Stock with Reduced Rattle	United States of America		15/892000	2/8/2018	
579.	Vista Outdoor Operations LLC	Recoil Reducing Stock System	United States of America		15/898884	2/19/2018	
580.	Vista Outdoor Operations LLC	Reduced Drag Projectile	United States of America		15/331631	10/21/2016	
581.	Vista Outdoor Operations LLC	Releasable Vest	United States of America		15/799728	10/31/2017	
582.	Vista Outdoor Operations LLC	Retention Holster For a Firearm Having an Offset Mounted Accessory	United States of America		15/821478	11/27/2017	
583.	Vista Outdoor Operations LLC	Rifle Bullet	United States of America		29/635655	2/1/2018	
584.	Vista Outdoor Operations LLC	Rifle Cartridge	United States of America		29/634361	1/20/2018	
585.	Vista Outdoor Operations LLC	Rifle Cartridge with Improved Bullet Upset and Separation	United States of America		15/876186	1/21/2018	
586.	Vista Outdoor Operations LLC	Rifle Magazine Loader	United States of America		29/591046	1/16/2017	
587.	Vista Outdoor Operations LLC	Rifle Magazine Loader	United States of America		15/709043	9/19/2017	
588.	Vista Outdoor Operations LLC	Rifle Magazine Loader Portion	United States of America		29/578177	9/19/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
589.	Vista Outdoor Operations LLC	Riflescope Aiming System	United States of America		15/375797	12/12/2016	
590.	Vista Outdoor Operations LLC	Riflescope Turret	United States of America		29/641217	3/20/2018	
591.	Vista Outdoor Operations LLC	Self-Illuminating Turret Cover	United States of America		15/646466	7/11/2017	
592.	Vista Outdoor Operations LLC	Semiautomatic Firearm	United States of America		15/352330	11/15/2016	
593.	Vista Outdoor Operations LLC	Shotgun Wad	United States of America		29/636143	2/6/2018	
594.	Vista Outdoor Operations LLC	Shotgun Wad	United States of America		29/638074	2/23/2018	
595.	Vista Outdoor Operations LLC	Shotgun Wad	United States of America		29/636973	2/13/2018	
596.	Vista Outdoor Operations LLC	Shotshell Having Wad with Enhanced Fin Deployment	United States of America		15/884227	1/30/2018	
597.	Vista Outdoor Operations LLC	Shotshell Pellet	United States of America		29/579375	9/29/2016	
598.	Vista Outdoor Operations LLC	Spin-Stabilized Non-Lethal Projectile with a Shear-Thinning Fluid	United States of America		15/832320	12/5/2017	
599.	Vista Outdoor Operations LLC	Suppressor	United States of America		29/561,483	4/15/2016	
600.	Vista Outdoor	Suppressor	United States		29/561481	4/15/2016	

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	Additional Grantor	Patent Titles	Country	Patent No.	Applic. No.	Filing Date	Issue Date
	Operations LLC		of America				
601.	Vista Outdoor Operations LLC	Suppressor	United States of America		29/613481	8/10/2017	
602.	Vista Outdoor Operations LLC	Thermal Gunsights	United States of America		62/563683	9/27/2017	
603.	Vista Outdoor Operations LLC	Thumb-Actuated Locking Holster	United States of America		62/647265	3/23/2018	
604.	Vista Outdoor Operations LLC	Tube Magazine Loader	United States of America		29/575016	8/22/2016	
605.	Vista Outdoor Operations LLC	Vest Having Releasable Components	United States of America		15/596531	5/16/2017	
606.	Vista Outdoor Operations LLC/Army/PPI	Advanced Muzzle Loader Ammunition	United States of America		15/195769	6/28/2016	
607.	Vista Outdoor Operations LLC/SWRI/IRA	Multi-Layered Momentum Trap Ballistic Armor	United States of America	7077048	10/805955	3/22/2004	7/18/2006

**Schedule B to the
Release of Term Loan Intellectual Property Agreement**

TRADEMARKS

	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
1.	Bell Sports, Inc.	MOTO-X	United States of America	87736719 Intent-to-Use	12/28/2017		
2.	Bell Sports, Inc.	BELL	United States of America	72218955	5/17/1965	815907	9/27/1966
3.	Bell Sports, Inc.	BELL & DESIGN	United States of America	78215929	2/18/2003	2869318	8/3/2004
4.	Bell Sports, Inc.	BELL & DESIGN	United States of America	78215923	2/18/2003	2941575	4/19/2005
5.	Bell Sports, Inc.	BELL & DESIGN	United States of America	78215912	2/18/2003	2881411	9/7/2004
6.	Bell Sports, Inc.	BELL & DESIGN	United States of America	73424698	5/6/1983	1322986	3/5/1985
7.	Bell Sports, Inc.	BELL & DESIGN	United States of America	78215905	2/18/2003	2817306	2/24/2004
8.	Bell Sports, Inc.	BELL & DESIGN	United States of America	78215934	2/18/2003	2869319	8/3/2004
9.	Bell Sports, Inc.	BELL and Design (Red)	United States of America	73453528	11/21/1983	1330653	4/16/1985
10.	Bell Sports, Inc.	BELL GARAGE	United States of America	86018034	7/23/2013	4599927	9/9/2014
11.	Bell Sports, Inc.	BELL HELMETS & DESIGN	United States of America	74151581	3/21/1991	1676643	2/25/1992
12.	Bell Sports, Inc.	BLACKBURN	United States of	78470434	8/19/2004	3177964	11/28/2006

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
13.	Bell Sports, Inc.	BLACKBURN	United States of America	78470640	8/19/2004	3106026	6/20/2006
14.	Bell Sports, Inc.	BLACKBURN	United States of America	78470639	8/19/2004	3169584	11/7/2006
15.	Bell Sports, Inc.	BULLITT	United States of America	85807774	12/20/2012	4530512	5/13/2014
16.	Bell Sports, Inc.	CANDIDATE	United States of America	87118793 Intent-to-Use	7/27/2016		
17.	Bell Sports, Inc.	COPILOT	United States of America	78079052	8/14/2001	2728153	6/17/2003
18.	Bell Sports, Inc.	COPILOT	United States of America	78079053	8/14/2001	2642985	10/29/2002
19.	Bell Sports, Inc.	FLATBLOCKER	United States of America	78221867	3/5/2003	2793347	12/9/2003
20.	Bell Sports, Inc.	FORCE FLOW	United States of America	73441527	8/29/1983	1318998	2/12/1985
21.	Bell Sports, Inc.	GIRO	United States of America	77737259	5/14/2009	3722128	12/8/2009
22.	Bell Sports, Inc.	GIRO	United States of America	77017877	10/10/2006	3756412	3/9/2010
23.	Bell Sports, Inc.	GIRO	United States of America	73589558	3/24/1986	1416726	11/11/1986
24.	Bell Sports, Inc.	GIRO	United States of America	88132900	9/26/2018		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
25.	Bell Sports, Inc.	GIRO (SYMBOL)	United States of America	86787705	10/14/2015	5001981	7/19/2016
26.	Bell Sports, Inc.	GRINDURO	United States of America	86527398	2/6/2015	5139694	2/14/2017
27.	Bell Sports, Inc.	INTERLOCK	United States of America	86014355	7/18/2013	4611013	9/23/2014
28.	Bell Sports, Inc.	MICROSHELL	United States of America	73748216	8/25/1988	1536238	4/25/1989
29.	Bell Sports, Inc.	MOTO	United States of America	73604863	6/17/1986	1425610	1/20/1987
30.	Bell Sports, Inc.	MTN RACK	United States of America	74073836	6/28/1990	1657322	9/17/1991
31.	Bell Sports, Inc.	NEW ROAD	United States of America	85752132	10/11/2012	4580834	8/5/2014
32.	Bell Sports, Inc.	NO-MOR FLATS	United States of America	73774350	1/12/1989	1558930	10/3/1989
33.	Bell Sports, Inc.	RACESTAR	United States of America	78709253	9/8/2005	3229127	4/17/2007
34.	Bell Sports, Inc.	ROADSTAR	United States of America	73403525	11/22/1982	1368690	11/5/1985
35.	Bell Sports, Inc.	ROC LOC	United States of America	74483530	1/26/1994	1927085	10/17/1995
36.	Bell Sports, Inc.	ROGUE	United States of America	85863424	2/28/2013	4552710	6/17/2014
37.	Bell Sports, Inc.	ROGUE SYMBOL	United States of America	85873944	3/12/2013	4414868	10/8/2013

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
38.	Bell Sports, Inc.	SWITCHBLADE	United States of America	87219849	10/28/2016		
39.	Bell Sports, Inc.	SYNTHETIC	United States of America	86327518	7/2/2014	4682054	2/3/2015
40.	Bell Sports, Inc.	TAPERWALL	United States of America	77423789	3/17/2008	3508546	9/30/2008
41.	Bell Sports, Inc.	TAPERWALL	United States of America	77303039	10/12/2007	3448759	6/17/2008
42.	Bell Sports, Inc.	TECHLACE	United States of America	86939637 Intent-to-Use	3/14/2016		
43.	Bell Sports, Inc.	TECHLACE	United States of America	86983224	3/14/2016	5347100	11/28/2017
44.	Bell Sports, Inc.	THE ORIGINAL	United States of America	86011847	7/16/2013	4578776	8/5/2014
45.	Bell Sports, Inc.	TINY BRITES	United States of America	85873769	3/12/2013	4414867	10/8/2013
46.	Bell Sports, Inc.	TRUE FIT	United States of America	78767603	12/6/2005	3604411	4/7/2009
47.	Bell Sports, Inc.	TUNEUPS	United States of America	85467074	11/8/2011	4174745	7/17/2012
48.	Bell Sports, Inc.	VENTURE	United States of America	87321288	2/1/2017		
49.	Bell Sports, Inc.	BIKE PARTY	United States of America	87536638 Intent-to-Use	7/20/2017		
50.	Bell Sports, Inc.	VIVID	United States of	87663330	10/27/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
51.	Bell Sports, Inc.	GALE FORCE	United States of America	87643938 Intent-to-Use	10/12/2017		
52.	Bell Sports, Inc.	SMILE HELMET	United States of America	1-6039527821	11/25/2017		
53.	Bell Sports, Inc.	MOTO-X and Design	United States of America	87736716 Intent-to-Use	12/28/2017		
54.	Bell Sports, Inc.	BUZZ	United States of America	87845757 Intent-to-Use	3/22/2018		
55.	Bell Sports, Inc.	ELIMINATOR	United States of America	87745099 Intent-to-Use	1/5/2018		
56.	Bell Sports, Inc.	AIRBLASTER	United States of America	87864824 Intent-to-Use	4/5/2018		
57.	Bushnell Holdings, Inc.	PRIMOS	United States of America	87816707	3/1/2018		
58.	Bushnell Holdings, Inc.	SPEAK THE LANGUAGE	United States of America	87829563 Intent-to-Use	3/12/2018		
59.	Bushnell Inc.	ANTLER DESIGN	United States of America	74018715	1/12/1990	1673830	1/28/1992
60.	Bushnell Inc.	BANNER	United States of America	73204523	2/21/1979	1163487	8/4/1981
61.	Bushnell Inc.	NORTH STAR	United States of	75585523	11/11/1998	2453666	5/22/2001

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
62.	Bushnell Inc.	XTRAWIDE	United States of America	75933641	3/3/2000	2457089	6/5/2001
63.	Bushnell Holdings, Inc.	BLACKOUT	United States of America	85253038	2/28/2011	4050920	11/1/2011
64.	Bushnell Holdings, Inc.	BLOODHUNTER	United States of America	77006789	9/25/2006	3376344	1/29/2008
65.	Bushnell Holdings, Inc.	BOMBSHELL	United States of America	85564483	3/8/2012	4343709	5/28/2013
66.	Bushnell Holdings, Inc.	CONTROL FREAK	United States of America	85150970	10/12/2010	4258189	12/11/2012
67.	Bushnell Holdings, Inc.	DOUBLE BULL	United States of America	77347988	12/10/2007	3566674	1/27/2009
68.	Bushnell Holdings, Inc.	DOUBLEBULL design	United States of America	87762425 Intent-to-Use	1/19/2018		
69.	Bushnell Holdings, Inc.	GOBBLER	United States of America	73/768579	1/3/1989	1554841	9/5/1989
70.	Bushnell Holdings, Inc.	HOOCHIE	United States of America	76387727	3/26/2002	2757289	8/26/2003
71.	Bushnell Holdings, Inc.	HYPER LIP	United States of America	75/451289	3/18/1998	2219032	1/19/1999
72.	Bushnell Holdings, Inc.	MASTERING THE ART	United States of America	75/640216	2/12/1999	2328969	3/14/2000
73.	Bushnell Holdings, Inc.	PRIMOS	United States of America	74609192	12/9/1994	1945472	1/2/1996

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
74.	Bushnell Holdings, Inc.	ROAR	United States of America	78/901485	6/6/2006	3227689	4/10/2007
75.	Bushnell Holdings, Inc.	SONIC DOME	United States of America	76626001	12/27/2004	3112489	7/4/2006
76.	Bushnell Holdings, Inc.	SPEAK THE LANGUAGE	United States of America	75/838117	11/2/1999	2444082	4/17/2001
77.	Bushnell Holdings, Inc.	SPEAKING THEIR LANGUAGE	United States of America	75/838116	11/2/1999	2393520	10/10/2000
78.	Bushnell Holdings, Inc.	SWAMP DONKEY	United States of America	77836591	9/28/2009	3905378	1/11/2011
79.	Bushnell Holdings, Inc.	THE CAN	United States of America	76216779	2/27/2001	2576748	6/4/2002
80.	Bushnell Holdings, Inc.	THE TRUTH	United States of America	74/609185	12/9/1994	1950826	1/23/1996
81.	Bushnell Holdings, Inc.	THE WENCH	United States of America	75/274928	4/15/1997	2130767	1/20/1998
82.	Bushnell Holdings, Inc.	THIS AIN'T HOLLYWOOD	United States of America	76541417	8/20/2003	2871296	8/10/2004
83.	Bushnell Holdings, Inc.	TRIGGER STICK	United States of America	78955641	8/18/2006	3671097	8/18/2009
84.	Bushnell Holdings, Inc.	TRUTH	United States of America	77186233	5/21/2007	4864885	12/8/2015
85.	Bushnell Holdings, Inc.	TRUTH	United States of America	76/474125	12/5/2002	2781710	11/11/2003
86.	Bushnell Holdings, Inc.	PROOF	United States of America	87531038	7/17/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
87.	Bushnell Holdings, Inc.	TAKE OUT	United States of America	87614653	9/19/2017		
88.	Bushnell Holdings, Inc.	FAST FOOD FOR DEER	United States of America	87614638	9/19/2017		
89.	Bushnell Holdings, Inc.	HENSANITY	United States of America	87/293474	1/9/2017	5292964	9/19/2017
90.	Bushnell Holdings, Inc.	SURROUNDVIEW	United States of America	87470204	5/31/2017	5445281	4/10/2018
91.	Bushnell Holdings, Inc.	TROPHYVIEW	United States of America	87469967 Intent-to-Use	5/31/2017		
92.	Bushnell Holdings, Inc.	MEWIE GRANDE	United States of America	87532268	7/18/2017		
93.	Bushnell Holdings, Inc.	THE BLIND WITHOUT A BLIND SPOT	United States of America	87532780	7/18/2017		
94.	Bushnell Holdings, Inc.	PRIMOS HUNTING and Design (color)	United States of America	87532432 Intent-to-Use	7/18/2017		
95.	Bushnell Holdings, Inc.	MUGSHOT	United States of America	87541870	7/25/2017		
96.	Bushnell Inc.	AUTO FOCUS	United States of America	73/672441	7/16/1987	1524028	2/7/1989
97.	Bushnell Inc.	BANNER	United States of America	72059261	9/22/1958	680418	6/16/1959
98.	Bushnell Inc.	BANNER	United States of America	74471976	12/17/1993	2016004	11/12/1996
99.	Bushnell Inc.	BIKINI	United States of	73688118	10/5/1987	1494923	7/5/1988

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
100.	Bushnell Inc.	BUSHNELL	United States of America	73172294	5/30/1978	1153712	5/12/1981
101.	Bushnell Inc.	BUSHNELL	United States of America			15-00176	
102.	Bushnell Inc.	CIRCLE-X	United States of America	74567656	8/30/1994	1914719	8/29/1995
103.	Bushnell Inc.	CUSTOM	United States of America	73312818	6/1/1981	1218963	12/7/1982
104.	Bushnell Inc.	DUSK & DAWN	United States of America	75443207	3/2/1998	2382141	9/5/2000
105.	Bushnell Inc.	ELITE	United States of America	73832394	10/19/1989	1595152	5/8/1990
106.	Bushnell Inc.	EXPLORER & Design	United States of America	73/146307	10/27/1977	1107109	11/28/1978
107.	Bushnell Inc.	INSTA-FOCUS	United States of America	72/278282	8/15/1967	854131	8/6/1968
108.	Bushnell Inc.	LEGACY (STYLIZED)	United States of America	74005324	11/27/1989	1605382	7/10/1990
109.	Bushnell Inc.	LEGACY	United States of America	75597960	12/2/1998	2316226	2/8/2000
110.	Bushnell Inc.	MULTI-X	United States of America	72388049	4/1/1971	936064	6/20/1972
111.	Bushnell Inc.	NATUREVIEW	United States of America	74342777	12/23/1992	1843540	7/5/1994
112.	Bushnell Inc.	PC-3	United States of	74297158	7/21/1992	1887785	4/4/1995

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
113.	Bushnell Inc.	PERMA FOCUS	United States of America	73748684	8/26/1988	1534085	4/11/1989
114.	Bushnell Inc.	POWERVERVIEW	United States of America	74223759	11/20/1991	1775779	6/8/1993
115.	Bushnell Inc.	RAINGUARD	United States of America	75445878	3/6/1998	2286632	10/12/1999
116.	Bushnell Inc.	SENTRY	United States of America	72065628	1/12/1959	695631	4/5/1960
117.	Bushnell Inc.	SPORTVIEW	United States of America	74132956	1/24/1991	1666562	12/3/1991
118.	Bushnell Inc.	TROPHY	United States of America	72290942	2/13/1968	865312	2/25/1969
119.	Bushnell Inc.	TROPHY	United States of America	74471977	12/17/1993	1967247	4/9/1996
120.	Bushnell Inc.	TROPHY	United States of America	74588108	10/20/1994	2057851	4/29/1997
121.	Bushnell Inc.	VOYAGER	United States of America	75331209	7/28/1997	2226780	2/23/1999
122.	Bushnell Inc.	XTRA-WIDE (AND DESIGN)	United States of America	75284607	5/1/1997	2188570	9/8/1998
123.	Bushnell Inc.	NATUREVIEW	United States of America	75933640	3/3/2000	2440760	4/3/2001
124.	Bushnell Inc.	SPACEMASTER	United States of America	75933639	3/3/2000	2440759	4/3/2001
125.	Bushnell Inc.	BUSHNELL	United States of	76240180	4/13/2001	2634491	10/15/2002

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		(STYLIZED)	America				
126.	Bushnell Inc.	SPECTATOR	United States of America	77758768	6/12/2009	3736813	1/12/2010
127.	Bushnell Inc.	ELITE	United States of America	74397553	1/8/1993	1817840	1/25/1994
128.	Bushnell Inc.	SPEEDSTER	United States of America	76374312	2/25/2002	2854449	6/15/2004
129.	Bushnell Inc.	LEGEND	United States of America	76412744	5/24/2002	2911993	12/21/2004
130.	Bushnell Inc.	HARBORMASTER	United States of America	78143588	7/12/2002	2709547	4/22/2003
131.	Bushnell Inc.	HEMISPHERE	United States of America	78182006	11/5/2002	2773681	10/14/2003
132.	Bushnell Inc.	SCOUT	United States of America	78157709	8/26/2002	3039840	1/10/2006
133.	Bushnell Inc.	SPORT	United States of America	78/157701	8/26/2002	2852202	6/8/2004
134.	Bushnell Inc.	TOUR	United States of America	78157703	8/26/2002	2786395	11/25/2003
135.	Bushnell Inc.	GOLDEN ANTLER	United States of America	74029894	2/20/1990	1684812	4/28/1992
136.	Bushnell Inc.	OFFSHORE	United States of America	74698043	7/5/1995	2017162	11/19/1996
137.	Bushnell Inc.	PROPOINT	United States of America	73733116	6/8/1988	1524303	2/14/1989
138.	Bushnell Inc.	RUBICON	United States of	86460391	11/20/2014	4793654	8/18/2015

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
139.	Bushnell Inc.	SONOMA	United States of America	74479078	1/14/1994	1920782	9/19/1995
140.	Bushnell Inc.	TASCO	United States of America	72246401	5/23/1966	836276	10/3/1967
141.	Bushnell Inc.	TASCO	United States of America	72/279011	8/24/1967	855028	8/20/1968
142.	Bushnell Inc.	LUMINOVA	United States of America	76033083	4/25/2000	2707491	4/15/2003
143.	Bushnell Inc.	WORLD CLASS	United States of America	75572456	10/19/1998	2745474	8/5/2003
144.	Bushnell Inc.	Varmint Target Design	United States of America	76308044	9/4/2001	2567416	5/7/2002
145.	Bushnell Inc.	IMAGEVIEW	United States of America	78242648	4/28/2003	2817572	2/24/2004
146.	Bushnell Inc.	TASCO	United States of America	78275041	7/16/2003	2858101	6/29/2004
147.	Bushnell Inc.	BUCKHORN	United States of America	78361815	2/3/2004	3506370	9/23/2008
148.	Bushnell Inc.	MAGNIFY LIFE	United States of America	78380444	3/8/2004	2938086	4/5/2005
149.	Bushnell Inc.	PERMAFOCUS	United States of America	78426331	5/27/2004	2930988	3/8/2005
150.	Bushnell Inc.	TROPHY	United States of America	78459750	7/30/2004	2933414	3/15/2005
151.	Bushnell Inc.	EXCURSION	United States of	78481170	9/9/2004	3018772	11/22/2005

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
152.	Bushnell Inc.	XTR	United States of America	78515580	11/11/2004	3127957	8/8/2006
153.	Bushnell Inc.	ELITE	United States of America	78550806	1/20/2005	3137076	8/29/2006
154.	Bushnell Inc.	BLIZZARD	United States of America	78457690	7/27/2004	2997906	9/20/2005
155.	Bushnell Inc.	BORESNAKE	United States of America	75736676	6/24/1999	2425833	1/30/2001
156.	Bushnell Inc.	BUTLER CREEK	United States of America	78457666	7/27/2004	2995302	9/13/2005
157.	Bushnell Inc.	COMFORT STRETCH	United States of America	76076762	6/26/2000	2626046	9/24/2002
158.	Bushnell Inc.	DESIGN ONLY (Rider & Mountain)	United States of America	75528111	7/30/1998	2507430	11/13/2001
159.	Bushnell Inc.	DESIGN ONLY (Rider & Mountain)	United States of America	78460455	8/2/2004	3011106	11/1/2005
160.	Bushnell Inc.	GUNMATE	United States of America	75456704	3/26/1998	2301558	12/21/1999
161.	Bushnell Inc.	GUNRUNNER	United States of America	74203215	9/13/1991	1704816	8/4/1992
162.	Bushnell Inc.	HOPPE'S	United States of America	75241186	2/13/1997	2197160	10/20/1998
163.	Bushnell Inc.	HOPPE'S	United States of America	78457671	7/27/2004	3053614	1/31/2006
164.	Bushnell Inc.	HOPPE'S 9	United States of	76526445	6/23/2003	2829753	4/6/2004

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		(AND DESIGN)	America				
165.	Bushnell Inc.	HOPPE'S BENCH REST 9	United States of America	75241056	2/13/1997	2258433	7/6/1999
166.	Bushnell Inc.	HOPPE'S ELITE	United States of America	78285230	8/8/2003	2890462	9/28/2004
167.	Bushnell Inc.	HOT LIPS	United States of America	74094491	9/7/1990	1655508	9/3/1991
168.	Bushnell Inc.	QD	United States of America	73210876	4/9/1979	1141729	11/25/1980
169.	Bushnell Inc.	SIDEKICK	United States of America	73437094	8/1/1983	1324375	3/12/1985
170.	Bushnell Inc.	SIDEKICK	United States of America	75459983	3/31/1998	2474751	8/7/2001
171.	Bushnell Inc.	STEEL LIPS	United States of America	78460460	8/2/2004	2998067	9/20/2005
172.	Bushnell Inc.	SUPER SWIVEL	United States of America	73798767	5/5/1989	1574754	1/2/1990
173.	Bushnell Inc.	SWIVELOCK	United States of America	73798598	5/8/1989	1615616	10/2/1990
174.	Bushnell Inc.	THE GUN CARE PEOPLE	United States of America	78449091	7/12/2004	3096633	5/23/2006
175.	Bushnell Inc.	TRI-LOCK	United States of America	76304988	8/24/2001	2784736	11/18/2003
176.	Bushnell Inc.	ULTRA	United States of America	75520065	7/16/1998	2365710	7/11/2000
177.	Bushnell Inc.	UNCLE	United States of	72/316224	1/9/1969	874972	8/19/1969

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		MIKE'S	America				
178.	Bushnell Inc.	UNCLE MIKE'S	United States of America	73115766	2/14/1977	1137525	7/8/1980
179.	Bushnell Inc.	UNCLE MIKE'S	United States of America	73412875	2/9/1983	1275064	4/24/1984
180.	Bushnell Inc.	UNCLE MIKE'S	United States of America	78457679	7/27/2004	2997904	9/20/2005
181.	Bushnell Inc.	UNCLE MIKE'S LAW ENFORCEMENT (AND DESIGN)	United States of America	76527446	6/23/2003	2873843	8/17/2004
182.	Bushnell Inc.	STONEY POINT	United States of America	75760966	7/22/1999	2644942	11/5/2002
183.	Bushnell Inc.	STEADY-STIX	United States of America	74257811	3/23/1992	1772320	5/18/1993
184.	Bushnell Inc.	RAINGUARD	United States of America	78826743	3/1/2006	3227308	4/10/2007
185.	Bushnell Inc.	BUSHNELL OUTDOOR PRODUCTS	United States of America	77038649	11/7/2006	3603004	4/7/2009
186.	Bushnell Inc.	FINAL APPROACH	United States of America	78138216	6/24/2002	2702735	4/1/2003
187.	Bushnell Inc.	FINAL APPROACH	United States of America	78418418	5/13/2004	2964164	6/28/2005
188.	Bushnell Inc.	FINAL APPROACH	United States of America	78611306	4/18/2005	3493877	8/26/2008
189.	Bushnell Inc.	INSIDE EDGE	United States of America	78187694	11/21/2002	2814284	2/10/2004

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
190.	Bushnell Inc.	THE ELIMINATOR	United States of America	75909474	2/4/2000	2438371	3/27/2001
191.	Bushnell Inc.	WHOOGRASS	United States of America	78167415	9/24/2002	2796266	12/16/2003
192.	Bushnell Inc.	BUSHNELL	United States of America	77318990	11/1/2007	3539592	12/2/2008
193.	Bushnell Inc.	SPORTSMAN	United States of America	77329535	11/14/2007	3535137	11/18/2008
194.	Bushnell Inc.	PINPRO	United States of America	77354635	12/18/2007	3588535	3/10/2009
195.	Bushnell Inc.	PROSPORT	United States of America	78265600	6/22/2003	2918853	1/18/2005
196.	Bushnell Inc.	44 MAG	United States of America	74034196	3/5/1990	1647273	6/11/1991
197.	Bushnell Inc.	8-POINT	United States of America	75860784	11/30/1999	2497043	10/9/2001
198.	Bushnell Inc.	WHITETAIL	United States of America	87415972 Intent-to-Use	4/18/2017		
199.	Bushnell Inc.	PROHUNTER	United States of America	74115995	11/15/1990	1843482	7/5/1994
200.	Bushnell Inc.	WHITETAIL CLASSIC	United States of America	74085538	8/6/1990	1852889	9/6/1994
201.	Bushnell Inc.	WHITETAIL CLASSIC	United States of America	87415989	4/18/2017		
202.	Bushnell Inc.	22MAG	United States of	74610330	12/7/1994	1939811	12/5/1995

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
203.	Bushnell Inc.	SIMMONS	United States of America	74605169	12/1/1994	1979311	6/11/1996
204.	Bushnell Inc.	S & Design	United States of America	73435344	7/20/1983	1419773	12/9/1986
205.	Bushnell Inc.	AETEC	United States of America	87569288 Intent-to-Use	8/15/2017		
206.	Bushnell Inc.	SMART RETICLE	United States of America	75180570	10/11/1996	2166494	6/16/1998
207.	Bushnell Inc.	MILLETT	United States of America	77788447	7/23/2009	3754575	3/2/2010
208.	Bushnell Inc.	OFF TRAIL	United States of America	77803723	8/13/2009	3767048	3/30/2010
209.	Bushnell Inc.	SIMMONS	United States of America	85154995	10/18/2010	4127604	4/17/2012
210.	Bushnell Inc.	EQUINOX	United States of America	85163541	10/28/2010	4372910	7/23/2013
211.	Bushnell Inc.	BUSHNELL	United States of America	85206626	12/28/2010	4682957	2/3/2015
212.	Bushnell Inc.	BUSHNELL	United States of America	85200771	12/17/2010	3993856	7/12/2011
213.	Bushnell Inc.	BACKTRACK	United States of America	85347042	6/15/2011	4181999	7/31/2012
214.	Bushnell Inc.	HUNTTRACK	United States of America	85490567	12/8/2011	4291029	2/19/2013

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
215.	Bushnell Inc.	POWERSYNC	United States of America	85483864	11/30/2011	4400798	9/10/2013
216.	Bushnell Inc.	B BUSHNELL ESTD 1948 & Design	United States of America	85605422	4/23/2012	4288208	2/12/2013
217.	Bushnell Inc.	JOLT	United States of America	85965567	6/20/2013	4470812	1/21/2014
218.	Bushnell Inc.	FISHTRACK	United States of America	86/086315	10/8/2013	4615402	9/30/2014
219.	Bushnell Inc.	NEO	United States of America	77347087	12/7/2007	3627996	5/26/2009
220.	Bushnell Inc.	ZOOM DOT	United States of America	86/223117	3/17/2014	4697428	3/3/2015
221.	Bushnell Inc.	MPRO7	United States of America	75735823	6/24/1999	2324678	2/29/2000
222.	Bushnell Inc.	LEAD-B-GONE	United States of America	87000117	4/13/2016	5247378	7/18/2017
223.	Bushnell Inc.	HOPPE'S BLACK	United States of America	87205687	10/17/2016		
224.	Bushnell Inc.	BORN FROM EXPERIENCE	United States of America	87298965	1/12/2017		
225.	Bushnell Inc.	BLACK	United States of America	87205678 Intent-to-Use	10/17/2016		
226.	Bushnell Inc.	HOPPE'S 9 BLACK	United States of America	87205696	10/17/2016		
227.	Bushnell Inc.	DISPATCH	United States of	87325968 Intent-to-	2/6/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America	Use			
228.	Bushnell Inc.	DEPLOY	United States of America	87325991	2/6/2017		
229.	Bushnell Inc.	ENGAGE	United States of America	87326003 Intent-to-Use	2/6/2017		
230.	Bushnell Inc.	NITRO	United States of America	87327647 Intent-to-Use	2/7/2017		
231.	Bushnell Inc.	FORGE	United States of America	87327676 Intent-to-Use	2/7/2017		
232.	Bushnell Inc.	APPARITION	United States of America	87433879 Intent-to-Use	5/2/2017		
233.	Bushnell Inc.	BUTLER CREEK & DESIGN (color)	United States of America	87345229 Intent-to-Use	2/22/2017		
234.	Bushnell Inc.	EXO BARRIER	United States of America	87760160	1/18/2018		
235.	Bushnell Inc.	IRONCLAD WARRANTY	United States of America	87759842	1/18/2018		
236.	Bushnell Inc.	BUSHNELL (STYLIZED)	United States of America	87428484 Intent-to-Use	4/27/2017		
237.	Bushnell Inc.	B in Circle Design	United States of America	87428550 Intent-to-Use	4/27/2017		
238.	Bushnell Inc.	IMPULSE	United States of	87461181	5/23/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America	Intent-to-Use			
239.	Bushnell Inc.	NEVER MISS	United States of America	87455756 Intent-to-Use	5/18/2017		
240.	Bushnell Inc.	PRIME	United States of America	87533762 Intent-to-Use	7/19/2017		
241.	Bushnell Inc.	VENTURE	United States of America	87527686	7/13/2017		
242.	Bushnell Inc.	M-BOSS	United States of America	87527522 Intent-to-Use	7/13/2017		
243.	Bushnell Inc.	SPYROS	United States of America	87527520	7/13/2017		
244.	Bushnell Inc.	SNAKE DEN	United States of America	87532309 Intent-to-Use	7/18/2017		
245.	Bushnell Inc.	AETHER	United States of America	87740310 Intent-to-Use	1/2/2018		
246.	Bushnell Inc.	TAC OPTICS	United States of America	87736701 Intent-to-Use	12/28/2017		
247.	Bushnell Inc.	ELITE TACTICAL	United States of America	87736726 Intent-to-Use	12/28/2017		
248.	Bushnell Inc.	BUSHNELL ELITE TACTICAL B and DESIGN	United States of America	87736723 Intent-to-Use	12/28/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
249.	Bushnell Inc.	PROTARGET	United States of America	87758748	1/17/2018		
250.	Bushnell Inc.	BUSHNELL GOLF	United States of America	87841861	3/20/2018	5541140	8/14/2018
251.	Bushnell Inc.	BUTLER CREEK	United States of America	74148547	3/18/1991	1673345	1/28/1992
252.	Bushnell Inc.	PRONGHORN (Word Mark)	United States of America	85736495	9/24/2012	4328375	4/30/2013
253.	Bushnell Inc.	SPORTSMAN	United States of America	76100787	8/1/2000	2664064	12/17/2002
254.	Bushnell Inc.	BUCK GOLD	United States of America	78932078	7/18/2006	3485013	8/12/2008
255.	C Preme Limited LLC	C-PREME and Design	United States of America	85/977206	5/9/2011	4748554	6/2/2015
256.	C Preme Limited LLC	RASKULLZ and Design	United States of America	85978592	6/22/2010	4381341	8/6/2013
257.	C Preme Limited LLC	KRASH! and Design	United States of America	85/979455	6/20/2011	4373790	7/23/2013
258.	C Preme Limited LLC	VIDEOHEAD	United States of America	85687122	7/26/2012	4401455	9/10/2013
259.	C Preme Limited LLC	BULT and Design	United States of America	85678579	7/16/2012	4679272	1/27/2015
260.	C Preme Limited LLC	KRASH	United States of America	87825535	3/8/2018		
261.	C Preme Limited LLC	KRASH	United States of America	87825530	3/8/2018		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
262.	CamelBak Products, LLC	ALL CLEAR	United States of America	85048050	5/26/2010	4202809	9/4/2012
263.	CamelBak Products, LLC	ANTIDOTE	United States of America	77928440	2/4/2010	3905651	1/11/2011
264.	CamelBak Products, LLC	ARMORBAK	United States of America	77519530	7/10/2008	3752944	2/23/2010
265.	CamelBak Products, LLC	BAK	United States of America	85778301	11/13/2012	4656765	12/16/2014
266.	CamelBak Products, LLC	CAMELBAK	United States of America	73797876	5/5/1989	1576430	1/9/1990
267.	CamelBak Products, LLC	CAMELBAK	United States of America	74455063	11/8/1993	2098505	9/23/1997
268.	CamelBak Products, LLC	CAMELBAK	United States of America	85778305	11/13/2012	4656766	12/16/2014
269.	CamelBak Products, LLC	CAMELBAK	United States of America	78621408	5/2/2005	3184821	12/12/2006
270.	CamelBak Products, LLC	CAMELBAK	United States of America	77/067406	12/19/2006	4135697	5/1/2012
271.	CamelBak Products, LLC	CHUTE	United States of America	85922585	5/3/2013	4569528	7/15/2014
272.	CamelBak Products, LLC	CRUX	United States of America	86772700	9/29/2015	5182495	4/11/2017
273.	CamelBak Products, LLC	EDDY	United States of America	85346979	6/15/2011	4211153	9/18/2012
274.	CamelBak Products, LLC	FORGE	United States of America	85824973	1/16/2013	4656800	12/16/2014

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
275.	CamelBak Products, LLC	GOT YOUR BAK	United States of America	86487694	12/22/2014	5326539	11/7/2017
276.	CamelBak Products, LLC	GROOVE	United States of America	85048053	5/26/2010	3946207	4/12/2011
277.	CamelBak Products, LLC	H.A.W.G.	United States of America	75475198	4/27/1998	2280986	9/28/1999
278.	CamelBak Products, LLC	HYDRATE OR DIE	United States of America	74319529	9/23/1992	1770112	5/11/1993
279.	CamelBak Products, LLC	HYDROBAK	United States of America	77067644	12/19/2006	3404241	4/1/2008
280.	CamelBak Products, LLC	HYDROBAK	United States of America	75118170	6/13/1996	2119077	12/9/1997
281.	CamelBak Products, LLC	KICKBAK	United States of America	86895082	2/2/2016	5192354	4/25/2017
282.	CamelBak Products, LLC	M.U.L.E.	United States of America	75475240	4/27/1998	2305501	1/4/2000
283.	CamelBak Products, LLC	MAXIMUM	United States of America	75253455	3/7/1997	2147571	3/31/1998
284.	CamelBak Products, LLC	PODIUM	United States of America	77581421	9/29/2008	3615706	5/5/2009
285.	CamelBak Products, LLC	RACEBAK	United States of America	77473466	5/13/2008	3764093	3/23/2010
286.	CamelBak Products, LLC	RELAY	United States of America	85819532	1/9/2013	4565052	7/8/2014
287.	CamelBak Products, LLC	SHREDBAK	United States of America	77618371	11/20/2008	3764732	3/23/2010

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
288.	CamelBak Products, LLC	THERMOBAK	United States of America	74702135	7/17/1995	1975076	5/21/1996
289.	CamelBak Products, LLC	BROOK	United States of America	87169367 Intent-to-Use	9/13/2016		
290.	CamelBak Products, LLC	BROOK	United States of America	87977135	9/13/2016		
291.	CamelBak Products, LLC	REIGN	United States of America	87648312 Intent-to-Use	10/17/2017		
292.	CamelBak Products, LLC	FLOW AC	United States of America	87760385 Intent-to-Use	1/18/2018		
293.	CamelBak Products, LLC	TRAIL AC	United States of America	87760583 Intent-to-Use	1/18/2018		
294.	EAGLE INDUSTRIES UNLIMITED, INC.	EAGLE & Design	United States of America	77160825	4/19/2007	3629291	6/2/2009
295.	EAGLE INDUSTRIES UNLIMITED, INC.	EAGLE & Design	United States of America	74208733	9/30/1991	1789291	8/24/1993
296.	EAGLE INDUSTRIES UNLIMITED, INC.	Eagle Inspired Artwork (original design)	United States of America	1-5733592181	8/26/2017	VA 2-084-086	8/26/2017
297.	Federal Cartridge Company	ESTATE CARTRIDGE ECI & Design	United States of America	75/931431	2/29/2000	2419305	1/9/2001
298.	Federal Cartridge Company	SUPER SPORT	United States of America	75/931196	2/29/2000	2575149	6/4/2002

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
299.	Federal Cartridge Company	AMERICAN EAGLE	United States of America	72/182715	12/10/1963	781203	12/8/1964
300.	Federal Cartridge Company	AMERICAN EAGLE & Design	United States of America	72/221874	6/23/1965	808014	5/10/1966
301.	Federal Cartridge Company	AMERICAN EAGLE	United States of America	73/826420	9/19/1989	1600686	6/12/1990
302.	Federal Cartridge Company	AMERICAN EAGLE Design	United States of America	72/182716	12/10/1963	782263	12/29/1964
303.	Federal Cartridge Company	AMERICAN EAGLE Design	United States of America	72221810	6/23/1965	808748	5/24/1966
304.	Federal Cartridge Company	BALLISTIC AN	United States of America	75027145	12/4/1995	2012000	10/29/1996
305.	Federal Cartridge Company	CASTCORE	United States of America	75/757183	7/22/1999	2545317	3/5/2002
306.	Federal Cartridge Company	DUCK Design	United States of America	72/330264	6/17/1969	907400	2/9/1971
307.	Federal Cartridge Company	FEDERAL	United States of America	72121373	6/5/1961	729938	4/17/1962
308.	Federal Cartridge Company	FEDERAL PREMIUM	United States of America	75/707288	5/17/1999	2359927	6/20/2000
309.	Federal Cartridge Company	FEDERAL PREMIUM	United States of America	78976493	1/15/2004	3030760	12/13/2005
310.	Federal Cartridge Company	GOLD MEDAL	United States of America	73235671	10/18/1979	1155509	5/26/1981
311.	Federal Cartridge Company	GOLD MEDAL	United States of America	74319717	10/5/1992	1820567	2/8/1994

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
312.	Federal Cartridge Company	GOLD MEDAL	United States of America	75/707193	5/17/1999	2332839	3/21/2000
313.	Federal Cartridge Company	HI-POWER	United States of America	73826026	9/18/1989	1607415	7/24/1990
314.	Federal Cartridge Company	MULTI-PURPOSE	United States of America	75/022160	11/20/1995	2045204	3/11/1997
315.	Federal Cartridge Company	NYCLAD	United States of America	73191115	10/27/1978	1148863	3/24/1981
316.	Federal Cartridge Company	PERSONAL DEFENSE	United States of America	75200915	11/20/1996	2112332	11/11/1997
317.	Federal Cartridge Company	PERSONAL DEFENSE	United States of America	77/285826	9/21/2007	3435322	5/27/2008
318.	Federal Cartridge Company	PREMIUM	United States of America	75089284	4/16/1996	2047681	3/25/1997
319.	Federal Cartridge Company	PREMIUM	United States of America	75/716522	5/24/1999	2401652	11/7/2000
320.	Federal Cartridge Company	PREMIUM SAFARI	United States of America	74326416	10/29/1992	1778868	6/29/1993
321.	Federal Cartridge Company	TACTICAL	United States of America	74680859	5/30/1995	2091808	8/26/1997
322.	Federal Cartridge Company	TOXIC-METAL FREE	United States of America	75/027144	12/4/1995	2018517	11/19/1996
323.	Federal Cartridge Company	TRIPLE PLUS	United States of America	72/370088	9/8/1970	920023	9/14/1971
324.	Federal Cartridge Company	ULTRAMATCH	United States of America	78/426246	5/27/2004	3096562	5/23/2006

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
325.	Federal Cartridge Company	HEAVYWEIGHT	United States of America	78/452494	7/19/2004	3424052	5/6/2008
326.	Federal Cartridge Company	FEDERAL	United States of America	78/332009	11/24/2003	3124306	8/1/2006
327.	Federal Cartridge Company	PREMIUM	United States of America	78/332029	11/24/2003	3209544	2/13/2007
328.	Federal Cartridge Company	SHOCKWAVE Design	United States of America	78/313162	10/14/2003	3012085	11/1/2005
329.	Federal Cartridge Company	SHOCKWAVE Design	United States of America	78/976464	10/14/2003	3178657	11/28/2006
330.	Federal Cartridge Company	SHOCKWAVE Design	United States of America	77/292506	10/1/2007	3435638	5/27/2008
331.	Federal Cartridge Company	EVERY SHOT COUNTS	United States of America	78/414969	5/7/2004	3136636	8/29/2006
332.	Federal Cartridge Company	EVERY SHOT COUNTS	United States of America	78/414968	5/7/2004	3069273	3/14/2006
333.	Federal Cartridge Company	INDEPENDENCE	United States of America	78/332022	11/24/2003	2979593	7/26/2005
334.	Federal Cartridge Company	INDEPENDENCE & Design (Color)	United States of America	78/349715	1/9/2004	3086233	4/25/2006
335.	Federal Cartridge Company	TRUBALL	United States of America	78452570	7/19/2004	3115116	7/11/2006
336.	Federal Cartridge Company	ESTATE	United States of America	78/452572	7/19/2004	2970760	7/19/2005
337.	Federal Cartridge Company	FUSION	United States of America	78/486560	9/20/2004	3146532	9/19/2006

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
338.	Federal Cartridge Company	FUSION	United States of America	77283855	9/19/2007	3452727	6/24/2008
339.	Federal Cartridge Company	FUSION Packaging Design	United States of America	78/516415	11/12/2004	3113819	7/11/2006
340.	Federal Cartridge Company	FEDERAL PREMIUM AMMUNITION with Shockwave Design	United States of America	77/368438	1/10/2008	3574927	2/17/2009
341.	Federal Cartridge Company	FUSION LITE	United States of America	77/054060	11/30/2006	3524712	10/28/2008
342.	Gold Tip, LLC	GT GOLD TIP and Design	United States of America	76571937	1/16/2004	3140855	9/12/2006
343.	Gold Tip, LLC	FLEX IT FIRST and Design	United States of America	76579038	3/1/2004	3022498	12/6/2005
344.	Gold Tip, LLC	KINETIC	United States of America	85/795742	12/5/2012	4395218	9/3/2013
345.	Gold Tip, LLC	SMART CARBON	United States of America	85437921	10/3/2011	4325200	4/23/2013
346.	Gold Tip, LLC	GOLD TIP	United States of America	87298976	1/12/2017	5399498	2/13/2018
347.	Gold Tip, LLC	THE TOUGHEST ARROW YOU'LL EVER SHOOT	United States of America	76575427	2/12/2004	2939391	4/12/2005
348.	Gold Tip, LLC	NAME THE GAME	United States of America	85446757	10/13/2011	4459564	12/31/2013
349.	Gold Tip, LLC	PIERCE TOUR	United States of America	87163510	9/7/2016	5313185	10/17/2017

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
350.	Gold Tip, LLC	VAPOR BY BLACKHAWK	United States of America	85676426	7/13/2012	5238936	7/11/2017
351.	Jimmy Styks LLC	JIMMY STYKS	United States of America	86779429	10/6/2015	4982749	6/21/2016
352.	Jimmy Styks LLC	AIRSURF	United States of America	87374294	3/16/2017		
353.	Jimmy Styks LLC	CLICK 'N GO	United States of America	87560068 Intent-to-Use	8/8/2017		
354.	Jimmy Styks LLC	JIMMY STYKS (stylized)	United States of America	85464026	11/3/2011	4766682	7/7/2015
355.	Jimmy Styks LLC	JIMMY STYKS and DESIGN	United States of America	87416001 Intent-to-Use	4/18/2017		
356.	Jimmy Styks LLC	JIMMY STYKS and DESIGN	United States of America	87977114	4/18/2017		
357.	Logan Outdoor Products, LLC	BLACK MOUNTAIN	United States of America	85697124	8/7/2012	4481935	2/11/2014
358.	Logan Outdoor Products, LLC	BLACK MOUNTAIN	United States of America	85919578	4/30/2013	4610664	9/23/2014
359.	Logan Outdoor Products, LLC	SMOKEPRO	United States of America	86263452	4/25/2014	4740628	5/19/2015
360.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732660	9/19/2012	4349380	6/11/2013
361.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732701	9/19/2012	4353136	6/18/2013
362.	Logan Outdoor	CAMP CHEF	United States of	85732721	9/19/2012	4334551	5/14/2013

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Products, LLC		America				
363.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732734	9/19/2012	4334552	5/14/2013
364.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732741	9/19/2012	4346047	6/4/2013
365.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732761	9/19/2012	4346048	6/4/2013
366.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732782	9/19/2012	4334559	5/14/2013
367.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85732779	9/19/2012	4346049	6/4/2013
368.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85755820	10/16/2012	4346825	6/4/2013
369.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	85962228	6/17/2013	4562597	7/8/2014
370.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	74173287	6/5/1991	1687760	5/19/1992
371.	Logan Outdoor Products, LLC	CAMP CHEF	United States of America	74542187	6/23/1994	1991787	8/6/1996
372.	Logan Outdoor Products, LLC	Flame Design	United States of America	85930967	5/13/2013	4526978	5/6/2014
373.	Logan Outdoor Products, LLC	CAMP CHEF THE WAY TO COOK OUTDOORS and Design	United States of America	85750846	10/10/2012	4346614	6/4/2013
374.	Logan Outdoor Products, LLC	LUMBERJACK	United States of America	78972449	9/12/2006	3265131	7/17/2007

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
375.	Logan Outdoor Products, LLC	LUMBERJACK	United States of America	85752728	10/12/2012	4357348	6/25/2013
376.	Logan Outdoor Products, LLC	OUTDOORCOO KING.COM and Design	United States of America	85750810	10/10/2012	4426601	10/29/2013
377.	Logan Outdoor Products, LLC	POCKET PUFF	United States of America	86332201	7/9/2014	4770254	7/7/2015
378.	Logan Outdoor Products, LLC	SPORT STOVE	United States of America	74542196	6/23/1994	2067490	6/3/1997
379.	Logan Outdoor Products, LLC	SPORT GRILL	United States of America	74541636	6/23/1994	1980147	6/11/1996
380.	Logan Outdoor Products, LLC	THE WAY TO COOK OUTDOORS	United States of America	75398337	12/1/1997	2230425	3/9/1999
381.	Logan Outdoor Products, LLC	ON THE GO GRILLING	United States of America	76280802	7/5/2001	2583785	6/18/2002
382.	Logan Outdoor Products, LLC	RECIPE FOR FAMILY FUN and Design	United States of America	77137713	3/22/2007	3463465	7/8/2008
383.	Logan Outdoor Products, LLC	SANTE and Design	United States of America	78320242	10/29/2003	3149437	9/26/2006
384.	Logan Outdoor Products, LLC	COOKWARE FOR LIFE	United States of America	78320250	10/29/2003	3036591	12/27/2005
385.	Logan Outdoor Products, LLC	SMOKE VAULT	United States of America	78467978	8/16/2004	3110334	6/27/2006
386.	Logan Outdoor Products, LLC	SKOOKIE	United States of America	78972698	9/12/2006	3275271	8/7/2007
387.	Logan Outdoor Products, LLC	TURKEY CANNON	United States of America	78521957	11/23/2004	3124747	8/1/2006

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
388.	Logan Outdoor Products, LLC	SOMERSET	United States of America	85237740	2/9/2011	4100155	2/14/2012
389.	Logan Outdoor Products, LLC	ITALIA ARTISAN PIZZA OVEN and Design	United States of America	85704415	8/15/2012	4385465	8/13/2013
390.	Logan Outdoor Products, LLC	CINEMA PACKER	United States of America	85492057	12/9/2011	4249002	11/27/2012
391.	Logan Outdoor Products, LLC	STEP UP YOUR GAME	United States of America	87369948 Intent-to-Use	3/14/2017		
392.	Michaels of Oregon Co.	MIRAGE	United States of America	75103790	5/14/1996	2219277	1/19/1999
393.	Michaels of Oregon Co.	MIRAGE	United States of America	75105594	5/17/1996	2120971	12/16/1997
394.	Michaels of Oregon Co.	PRO-3	United States of America	75122469	6/20/1996	2063299	5/20/1997
395.	Michaels of Oregon Co.	PRO-PAK	United States of America	75122952	6/20/1996	2168875	6/30/1998
396.	Michaels of Oregon Co.	WORLD'S FASTEST GUN BORE CLEANER	United States of America	75/265687	3/28/1997	2174085	7/14/1998
397.	Michaels of Oregon Co.	9 & DESIGN	United States of America	71025634	2/27/1907	63643	7/2/1907
398.	Night Optics USA, Inc.	QUALITY THAT WON'T LEAVE YOU IN THE DARK	United States of America	86066430	9/17/2013	4683523	2/10/2015
399.	Night Optics USA, Inc.	CARPE DIEM, NOCTEM OBTINE!	United States of America	86066418	9/17/2013	4651420	12/9/2014

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
400.	Night Optics USA, Inc.	NIGHT OPTICS (stylized)	United States of America	87489363 Intent-to-Use	6/14/2017		
401.	Night Optics USA, Inc.	Owl Design	United States of America	87489367 Intent-to-Use	6/14/2017		
402.	Night Optics USA, Inc.	EMBRACE THE DARKNESS	United States of America	87657319 Intent-to-Use	10/24/2017		
403.	Night Optics USA, Inc.	BRILLIANCE	United States of America	87757084 Intent-to-Use	1/16/2018		
404.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364636	8/12/2014	5296720	9/26/2017
405.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364658	8/12/2014	5330019	11/7/2017
406.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364665	8/12/2014	5276711	8/29/2017
407.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364671	8/12/2014	5276712	8/29/2017
408.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364682	8/12/2014	5350862	12/5/2017
409.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364692	8/12/2014	5246753	7/18/2017
410.	Vista Outdoor Inc.	VISTA OUTDOOR	United States of America	86364695	8/12/2014	5330020	11/7/2017
411.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428550	10/20/2014	5350891	12/5/2017

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
412.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428557	10/20/2014	5330037	11/7/2017
413.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428565	10/20/2014	5350892	12/5/2017
414.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428574	10/20/2014	5350893	12/5/2017
415.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428580	10/20/2014	5350894	12/5/2017
416.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428587	10/20/2014	5375593	1/9/2018
417.	Vista Outdoor Inc.	Vista Outdoor (color logo)	United States of America	86428594	10/20/2014	5350895	12/5/2017
418.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428607	10/20/2014	5330038	11/7/2017
419.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428612	10/20/2014	5330039	11/7/2017
420.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428621	10/20/2014	5330040	11/7/2017
421.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428630	10/20/2014	5330041	11/7/2017
422.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428636	10/20/2014	5330042	11/7/2017
423.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428643	10/20/2014	5375595	1/9/2018
424.	Vista Outdoor Inc.	Vista Outdoor Logo (B/W)	United States of America	86428652	10/20/2014	5350896	12/5/2017

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
425.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86435970	10/27/2014	5396722	2/6/2018
426.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86435988	10/27/2014	5341059	11/21/2017
427.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86435994	10/27/2014	5375599	1/9/2018
428.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86436002	10/27/2014	5375600	1/9/2018
429.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86436006	10/27/2014	5375601	1/9/2018
430.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86436014	10/27/2014	5375602	1/9/2018
431.	Vista Outdoor Inc.	BRINGING THE WORLD OUTSIDE	United States of America	86436022	10/27/2014	5375603	1/9/2018
432.	Vista Outdoor Operations LLC	KNOCK KNOCK	United States of America	78847649	3/28/2006	3246875	5/29/2007
433.	Vista Outdoor Operations LLC	ALLIANT POWDER & Design	United States of America	74/731664	9/20/1995	2002913	9/24/1996
434.	Vista Outdoor Operations LLC	ALLIANT POWDER TECHNICALLY SUPERIOR BY DESIGN	United States of America	75/505287	6/19/1998	2375888	8/8/2000
435.	Vista Outdoor Operations LLC	AMMOMASTER	United States of America	74/107890	10/22/1990	1690080	6/2/1992
436.	Vista Outdoor Operations LLC	APS	United States of America	74/733366	9/22/1995	2080002	7/15/1997
437.	Vista Outdoor	BLAZER	United States of	73346687	1/22/1982	1232643	3/29/1983

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
438.	Vista Outdoor Operations LLC	CASE MASTER	United States of America	74/516109	4/20/1994	1885925	3/28/1995
439.	Vista Outdoor Operations LLC	CASE SLICK	United States of America	74/516120	4/20/1994	1892898	5/9/1995
440.	Vista Outdoor Operations LLC	CCI	United States of America	72/229496	10/7/1965	831313	7/4/1967
441.	Vista Outdoor Operations LLC	CCI	United States of America	78/411019	4/30/2004	3174875	11/21/2006
442.	Vista Outdoor Operations LLC	CCI	United States of America	78411021	4/30/2004	3149538	9/26/2006
443.	Vista Outdoor Operations LLC	CCI	United States of America	78/487090	9/21/2004	3143215	9/12/2006
444.	Vista Outdoor Operations LLC	CHAMPION	United States of America	73/086683	5/10/1976	1054411	12/14/1976
445.	Vista Outdoor Operations LLC	CHAMPION	United States of America	78376474	3/1/2004	3077532	4/4/2006
446.	Vista Outdoor Operations LLC	CHAMPION	United States of America	77/021193	10/13/2006	3841840	8/31/2010
447.	Vista Outdoor Operations LLC	CHAMPION	United States of America	77/976214	10/9/2006	3555185	12/30/2008
448.	Vista Outdoor Operations LLC	CLEAN-FIRE	United States of America	74/363518	2/26/1993	1825074	3/8/1994
449.	Vista Outdoor Operations LLC	DEEP-SHOK	United States of America	75/684648	4/16/1999	2472138	7/24/2001
450.	Vista Outdoor	EXTRA-LITE	United States of	75/043088	1/16/1996	2017887	11/19/1996

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
451.	Vista Outdoor Operations LLC	FLIGHTMASTER	United States of America	74422519	8/6/1993	1894659	5/16/1995
452.	Vista Outdoor Operations LLC	GAS CAN	United States of America	87043318	5/19/2016	5229380	6/20/2017
453.	Vista Outdoor Operations LLC	GOLD DOT	United States of America	74363507	2/26/1993	1898839	6/13/1995
454.	Vista Outdoor Operations LLC	GOLD DOT	United States of America	76/169278	11/21/2000	2512419	11/27/2001
455.	Vista Outdoor Operations LLC	GRAND SLAM	United States of America	75626517	1/21/1999	2326038	3/7/2000
456.	Vista Outdoor Operations LLC	GRAND SLAM	United States of America	75/764097	7/30/1999	2605240	8/6/2002
457.	Vista Outdoor Operations LLC	GRAND SLAM	United States of America	77/633239	12/15/2008	3657231	7/21/2009
458.	Vista Outdoor Operations LLC	GREEN TAG	United States of America	73/833278	10/23/1989	1624729	11/27/1990
459.	Vista Outdoor Operations LLC	GUNSLICK	United States of America	72/075577	6/11/1959	699543	6/14/1960
460.	Vista Outdoor Operations LLC	GUNSLICK	United States of America	72/098021	5/27/1960	714592	5/2/1961
461.	Vista Outdoor Operations LLC	GUNSLICK	United States of America	72/098022	5/27/1960	714735	5/2/1961
462.	Vista Outdoor Operations LLC	HI-SHOK	United States of America	72160415	1/9/1963	765673	2/25/1964
463.	Vista Outdoor	HI-SHOK	United States of	72/321207	3/10/1969	891883	6/2/1970

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
464.	Federal Cartridge Company	HUNTERS FOR CONSERVATION	United States of America	74/099719	9/24/1990	1697216	6/23/1992
465.	Vista Outdoor Operations LLC	HYDRA-SHOK	United States of America	73/827192	9/25/1989	1594112	5/1/1990
466.	Vista Outdoor Operations LLC	LAWMAN	United States of America	73833277	10/23/1989	1768573	5/4/1993
467.	Vista Outdoor Operations LLC	LUBE-A-MATIC	United States of America	73/045235	2/26/1975	1034650	3/2/1976
468.	Vista Outdoor Operations LLC	MAXI MAG	United States of America	73/833273	10/23/1989	1600688	6/12/1990
469.	Vista Outdoor Operations LLC	MICRO-TRAC	United States of America	73/134971	7/22/1977	1100628	8/29/1978
470.	Vista Outdoor Operations LLC	WHEEL Design	United States of America	75563730	10/5/1998	2669449	12/31/2002
471.	Vista Outdoor Operations LLC	OUTERS	United States of America	73804844	6/5/1989	1632806	1/29/1991
472.	Vista Outdoor Operations LLC	PLINKER	United States of America	72/116929	3/31/1961	726419	1/16/1962
473.	Vista Outdoor Operations LLC	POW'R PULL	United States of America	74516123	4/20/1994	1888379	4/11/1995
474.	Vista Outdoor Operations LLC	PRO 2000	United States of America	75/882162	12/27/1999	2548145	3/12/2002
475.	Vista Outdoor Operations LLC	RC-130	United States of America	75436601	2/18/1998	2245875	5/18/1999
476.	Vista Outdoor	RCBS	United States of	72228073	9/17/1965	820178	12/13/1966

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
477.	Vista Outdoor Operations LLC	RCBS	United States of America	78/272013	7/9/2003	2988933	8/30/2005
478.	Vista Outdoor Operations LLC	RCBS	United States of America	78/272016	7/9/2003	2984983	8/16/2005
479.	Vista Outdoor Operations LLC	RCBS	United States of America	78/272027	7/9/2003	2910629	12/14/2004
480.	Vista Outdoor Operations LLC	RHT	United States of America	75/711697	5/21/1999	2416529	12/26/2000
481.	Vista Outdoor Operations LLC	SCORE KEEPER	United States of America	73729519	5/17/1988	1521117	1/17/1989
482.	Vista Outdoor Operations LLC	SPEER	United States of America	73135772	7/29/1977	1101411	9/5/1978
483.	Vista Outdoor Operations LLC	STINGER	United States of America	73/833352	10/23/1989	1608156	7/31/1990
484.	Vista Outdoor Operations LLC	TMJ	United States of America	73/833272	10/23/1989	1600687	6/12/1990
485.	Vista Outdoor Operations LLC	TNT	United States of America	75940859	3/10/2000	2475437	8/7/2001
486.	Vista Outdoor Operations LLC	TNT	United States of America	77/233635	7/19/2007	3578533	2/24/2009
487.	Vista Outdoor Operations LLC	TRIM PRO	United States of America	74515949	4/20/1994	1962369	3/12/1996
488.	Vista Outdoor Operations LLC	UNI-COR	United States of America	74363505	2/26/1993	1797732	10/12/1993
489.	Vista Outdoor	VARMINTER	United States of	73685946	9/24/1987	1570827	12/12/1989

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
490.	Vista Outdoor Operations LLC	VELOCITOR	United States of America	78/785725	1/5/2006	3165303	10/31/2006
491.	Vista Outdoor Operations LLC	WEAVER	United States of America	85/083022	7/13/2010	4005032	8/2/2011
492.	Vista Outdoor Operations LLC	WEAVER	United States of America	85/083021	7/13/2010	4075960	12/27/2011
493.	Vista Outdoor Operations LLC	WEAVER	United States of America	85/082314	7/12/2010	4014856	8/23/2011
494.	Vista Outdoor Operations LLC	WEAVER	United States of America	72153036	9/12/1962	755453	8/27/1963
495.	Vista Outdoor Operations LLC	WEAVER CLASSIC	United States of America	75/758698	7/23/1999	2413218	12/12/2000
496.	Vista Outdoor Operations LLC	X DIE	United States of America	76/090336	7/17/2000	2563180	4/23/2002
497.	Vista Outdoor Operations LLC	CCI & Design (Color)	United States of America	78/411023	4/30/2004	3261939	7/10/2007
498.	Vista Outdoor Operations LLC	CCI & Design (Color)	United States of America	78/411022	4/30/2004	3259134	7/3/2007
499.	Vista Outdoor Operations LLC	TOP GUN	United States of America	77/348225	12/10/2007	3471745	7/22/2008
500.	Vista Outdoor Operations LLC	SPEED SHOK	United States of America	78/218070	2/24/2003	2919890	1/18/2005
501.	Vista Outdoor Operations LLC	CAPE SHOK	United States of America	78/218021	2/24/2003	2919884	1/18/2005
502.	Vista Outdoor	V SHOK	United States of	78/218036	2/24/2003	2919887	1/18/2005

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
503.	Vista Outdoor Operations LLC	WING SHOK	United States of America	78/218052	2/24/2003	2921576	1/25/2005
504.	Vista Outdoor Operations LLC	GAME SHOK	United States of America	78/218074	2/24/2003	2919891	1/18/2005
505.	Vista Outdoor Operations LLC	EXTREME SHOCK	United States of America	86353816	7/31/2014	5311673	10/17/2017
506.	Vista Outdoor Operations LLC	ULTRA SHOK	United States of America	78/218046	2/24/2003	2919888	1/18/2005
507.	Vista Outdoor Operations LLC	VITAL SHOK	United States of America	78/218028	2/24/2003	2919885	1/18/2005
508.	Vista Outdoor Operations LLC	MAG SHOK	United States of America	87423089	4/24/2017	5389959	1/30/2018
509.	Vista Outdoor Operations LLC	POWER SHOK	United States of America	78/218058	2/24/2003	2919889	1/18/2005
510.	Vista Outdoor Operations LLC	HOT-COR	United States of America	78224157	3/11/2003	2853645	6/15/2004
511.	Vista Outdoor Operations LLC	SUPER SPORT	United States of America	78/418169	5/13/2004	3022068	11/29/2005
512.	Vista Outdoor Operations LLC	CHAMPION (DESIGN)	United States of America	78/376467	3/1/2004	3016275	11/15/2005
513.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS	United States of America	78/376548	3/1/2004	3030414	12/13/2005
514.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS (Stylized Black & White)	United States of America	78/376470	3/1/2004	3030409	12/13/2005

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
515.	Vista Outdoor Operations LLC	QUAD LOCK	United States of America	78/329826	11/19/2003	3069054	3/14/2006
516.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS (Stylized Color)	United States of America	78376545	3/1/2004	3030413	12/13/2005
517.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS CRITTER SERIES & Design (Color)	United States of America	78374572	2/26/2004	3042639	1/10/2006
518.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS CRITTER SERIES & Design (Color)	United States of America	78/376071	3/1/2004	3042643	1/10/2006
519.	Vista Outdoor Operations LLC	VISISHOT	United States of America	78/330833	11/20/2003	2974196	7/19/2005
520.	Vista Outdoor Operations LLC	HIGH FLY	United States of America	78/331428	11/21/2003	3021839	11/29/2005
521.	Vista Outdoor Operations LLC	SKYBIRD	United States of America	78/331431	11/21/2003	3002755	9/27/2005
522.	Vista Outdoor Operations LLC	MATCHBIRD	United States of America	78/331435	11/21/2003	2988176	8/23/2005
523.	Vista Outdoor Operations LLC	XRAY	United States of America	78/336888	12/5/2003	3066631	3/7/2006
524.	Vista Outdoor Operations LLC	IN-SIGHT	United States of America	78/360855	2/2/2004	2974474	7/19/2005
525.	Vista Outdoor Operations LLC	IN-SIGHT & Design	United States of America	78/360989	2/2/2004	2979802	7/26/2005

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
526.	Vista Outdoor Operations LLC	HALF STAMP Design	United States of America	78/346828	12/31/2003	3065039	3/7/2006
527.	Vista Outdoor Operations LLC	THE LEADER IN RIMFIRE AMMUNITION	United States of America	78/406906	4/23/2004	3151677	10/3/2006
528.	Vista Outdoor Operations LLC	GAMEPOINT	United States of America	78/460334	8/2/2004	3011104	11/1/2005
529.	Vista Outdoor Operations LLC	GUN-DRI	United States of America	78/431799	6/8/2004	3146416	9/19/2006
530.	Vista Outdoor Operations LLC	NU-GUN	United States of America	78431809	6/8/2004	3118101	7/18/2006
531.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design)	United States of America	78/456442	7/26/2004	3136740	8/29/2006
532.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design)	United States of America	78/456437	7/26/2004	3133973	8/22/2006
533.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design)	United States of America	78/456435	7/26/2004	3169538	11/7/2006
534.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design)	United States of America	78/456440	7/26/2004	3169539	11/7/2006
535.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design) Color	United States of America	78/456396	7/26/2004	3136739	8/29/2006
536.	Vista Outdoor Operations LLC	GUNSLICK (stylized and/or with design) Color	United States of America	78/456398	7/26/2004	3130820	8/15/2006
537.	Vista Outdoor Operations LLC	GUNSLICK (and design) Color	United States of America	78/456394	7/26/2004	3259153	7/3/2007
538.	Vista Outdoor	GUNSLICK (stylized and/or	United States of	78/456402	7/26/2004	3262023	7/10/2007

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC	with design) Color	America				
539.	Vista Outdoor Operations LLC	GUN-FLUSH	United States of America	78/460333	8/2/2004	3182048	12/5/2006
540.	Vista Outdoor Operations LLC	GUN-FLUSH	United States of America	85/972125	6/27/2013	4443953	12/3/2013
541.	Vista Outdoor Operations LLC	FLITECONTRO L	United States of America	78/460589	8/2/2004	3099182	5/30/2006
542.	Vista Outdoor Operations LLC	HIGH DENSITY	United States of America	78/464588	8/9/2004	3022250	11/29/2005
543.	Vista Outdoor Operations LLC	GUN-SEAL	United States of America	78/474915	8/27/2004	3066821	3/7/2006
544.	Vista Outdoor Operations LLC	EASYBIRD	United States of America	78/474904	8/27/2004	3127817	8/8/2006
545.	Vista Outdoor Operations LLC	ULTRA-KLENZ	United States of America	78/474910	8/27/2004	3151844	10/3/2006
546.	Vista Outdoor Operations LLC	CHAMPION and Design (Color)	United States of America	78/373938	2/25/2004	3030396	12/13/2005
547.	Vista Outdoor Operations LLC	CHAMPION and Design (Color)	United States of America	77/021190	10/13/2006	3923293	2/22/2011
548.	Vista Outdoor Operations LLC	CHAMPION and Design (Color)	United States of America	77981904	10/13/2006	3982414	6/21/2011
549.	Vista Outdoor Operations LLC	GUN-FOAM	United States of America	78/498438	10/12/2004	3030894	12/13/2005
550.	Vista Outdoor Operations LLC	COPPER-KLENZ	United States of America	78/497841	10/11/2004	3020772	11/29/2005

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
551.	Vista Outdoor Operations LLC	SHORT BARREL	United States of America	78/516759	11/15/2004	3072298	3/21/2006
552.	Vista Outdoor Operations LLC	HALF STAMP Logo & Design	United States of America	78/350084	1/9/2004	3086234	4/25/2006
553.	Vista Outdoor Operations LLC	HALF STAMP Logo & Design	United States of America	78350077	1/9/2004	2985151	8/16/2005
554.	Vista Outdoor Operations LLC	PREMIUM PARTNERS	United States of America	78549408	1/18/2005	3163812	10/24/2006
555.	Vista Outdoor Operations LLC	PREMIUM PARTNERS	United States of America	78/549411	1/18/2005	3262262	7/10/2007
556.	Vista Outdoor Operations LLC	PREMIUM PARTNERS	United States of America	78549410	1/18/2005	3175140	11/21/2006
557.	Vista Outdoor Operations LLC	ATK (Commercial Ammo)	United States of America	78/549394	1/18/2005	3463984	7/8/2008
558.	Vista Outdoor Operations LLC	FLITECONTROL WAD and Design	United States of America	78555266	1/27/2005	3206760	2/6/2007
559.	Vista Outdoor Operations LLC	CHAMPION TRAPS & TARGETS CRITTER SERIES	United States of America	78/376070	3/1/2004	3014064	11/8/2005
560.	Vista Outdoor Operations LLC	TRU	United States of America	85/192006	12/7/2010	3989953	7/5/2011
561.	Vista Outdoor Operations LLC	HST	United States of America	85/191996	12/7/2010	3989952	7/5/2011
562.	Vista Outdoor Operations LLC	MINI-MAG	United States of America	78630253	5/16/2005	3422827	5/6/2008
563.	Vista Outdoor	VISICOLOR	United States of	78/669185	7/13/2005	3240630	5/8/2007

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
564.	Vista Outdoor Operations LLC	TRAP TAXI	United States of America	78/665364	7/7/2005	3276995	8/7/2007
565.	Vista Outdoor Operations LLC	CCI SELECT	United States of America	78/665529	7/7/2005	3186025	12/19/2006
566.	Vista Outdoor Operations LLC	SPEER LE (S-Design Logo)	United States of America	78/713848	9/15/2005	3370379	1/15/2008
567.	Vista Outdoor Operations LLC	STRUT SHOK	United States of America	78/739653	10/25/2005	3532503	11/11/2008
568.	Vista Outdoor Operations LLC	S SPEER & Design	United States of America	78/769475	12/8/2005	3287053	8/28/2007
569.	Vista Outdoor Operations LLC	CCI (stylized and/or with design)	United States of America	78/769473	12/8/2005	3389952	2/26/2008
570.	Vista Outdoor Operations LLC	CCI and design (color) (CCI Packaging Design)	United States of America	78/818955	2/20/2006	3309511	10/9/2007
571.	Vista Outdoor Operations LLC	FLITESTOPPER	United States of America	78/904616	6/9/2006	3314676	10/16/2007
572.	Vista Outdoor Operations LLC	BLACK CLOUD	United States of America	78/904618	6/9/2006	3357898	12/18/2007
573.	Vista Outdoor Operations LLC	FORCE ON FORCE and Design	United States of America	77/092299	1/26/2007	3631945	6/2/2009
574.	Vista Outdoor Operations LLC	FORCE ON FORCE and Design	United States of America	77/092300	1/26/2007	3627536	5/26/2009
575.	Vista Outdoor Operations LLC	FORCE ON FORCE and Design	United States of America	77/092296	1/26/2007	3631944	6/2/2009

	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
576.	Vista Outdoor Operations LLC	FS STEEL	United States of America	77/070601	12/22/2006	3454515	6/24/2008
577.	Vista Outdoor Operations LLC	DROP DUCKS LIKE RAIN	United States of America	78956255	8/21/2006	3374419	1/22/2008
578.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017485	10/10/2006	3229041	4/17/2007
579.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017480	10/10/2006	3278559	8/14/2007
580.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017478	10/10/2006	3278558	8/14/2007
581.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017466	10/10/2006	3229040	4/17/2007
582.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017462	10/10/2006	3621341	5/19/2009
583.	Vista Outdoor Operations LLC	OUTERS (stylized and/or with design)	United States of America	77/017490	10/10/2006	3229042	4/17/2007
584.	Vista Outdoor Operations LLC	ROCK CHUCKER	United States of America	77059282	12/7/2006	3400666	3/25/2008
585.	Vista Outdoor Operations LLC	VISICHALK	United States of America	77/075427	1/3/2007	3517109	10/14/2008
586.	Vista Outdoor Operations LLC	TRIPLE-SHOCK	United States of America	78744703	11/1/2005	3369232	1/15/2008
587.	Vista Outdoor Operations LLC	BLACKCLOUD and Design (color)	United States of America	77/070599	12/22/2006	3349215	12/4/2007
588.	Vista Outdoor Operations LLC	FEDERAL PREMIUM AMMUNITION BLACKCLOUD	United States of America	77/070608	12/22/2006	3513153	10/7/2008

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		FS STEEL and Package Design					
589.	Vista Outdoor Operations LLC	FS STEEL and Design (Color)	United States of America	77/070614	12/22/2006	3427636	5/13/2008
590.	Vista Outdoor Operations LLC	BLACKCLOUD Package Design (color)	United States of America	77/070612	12/22/2006	3499586	9/9/2008
591.	Vista Outdoor Operations LLC	TNT GREEN	United States of America	77259486	8/20/2007	3702170	10/27/2009
592.	Vista Outdoor Operations LLC	DURASEAL	United States of America	77/286910	9/24/2007	3562125	1/13/2009
593.	Vista Outdoor Operations LLC	SPEER BULLETS EST. 1943 (stylized and/or with design)	United States of America	77/272686	9/6/2007	3522027	10/21/2008
594.	Vista Outdoor Operations LLC	CHAMPION EYES & EARS	United States of America	77403074	2/21/2008	3719281	12/1/2009
595.	Vista Outdoor Operations LLC	CHAMPION EYES and EARS and Design	United States of America	77/427363	3/20/2008	3719350	12/1/2009
596.	Vista Outdoor Operations LLC	MONKEY BAG	United States of America	77/530362	7/24/2008	3873905	11/9/2010
597.	Vista Outdoor Operations LLC	SUMMIT	United States of America	85/699470	8/9/2012	4422880	10/22/2013
598.	Vista Outdoor Operations LLC	CHARGEMASTER	United States of America	87304120	1/17/2017		
599.	Vista Outdoor Operations LLC	UNIFLOW	United States of America	87304133	1/17/2017		
600.	Vista Outdoor Operations LLC	WEAVER and Design (color)	United States of	77/671684	2/17/2009	3804206	6/15/2010

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
601.	Vista Outdoor Operations LLC	WEAVER and Design (color)	United States of America	77/671682	2/17/2009	3887019	12/7/2010
602.	Vista Outdoor Operations LLC	WEAVER and Design (color)	United States of America	85116687	8/26/2010	4078916	1/3/2012
603.	Vista Outdoor Operations LLC	WEAVER and Design (color)	United States of America	85/083020	7/13/2010	4014863	8/23/2011
604.	Vista Outdoor Operations LLC	WEAVER and Design (color)	United States of America	85/083019	7/13/2010	4005031	8/2/2011
605.	Vista Outdoor Operations LLC	WEAVER & design	United States of America	77/673143	2/18/2009	3874163	11/9/2010
606.	Vista Outdoor Operations LLC	WEAVER & design	United States of America	77/673149	2/18/2009	3874164	11/9/2010
607.	Vista Outdoor Operations LLC	GORILLA RANGE BAG	United States of America	77/679223	2/26/2009	3776884	4/20/2010
608.	Vista Outdoor Operations LLC	SHOCK WAVE	United States of America	78/804535	2/1/2006	3616085	5/5/2009
609.	Vista Outdoor Operations LLC	PRAIRIE STORM	United States of America	77/853511	10/21/2009	3909037	1/18/2011
610.	Vista Outdoor Operations LLC	DEEPCURL	United States of America	77/851472	10/19/2009	3923937	2/22/2011
611.	Vista Outdoor Operations LLC	FEDERAL PREMIUM AMMUNITION PRAIRIE STORM	United States of America	77/882603	11/30/2009	3982236	6/21/2011
612.	Vista Outdoor Operations LLC	FEDERAL PREMIUM AMMUNITION PRAIRIE	United States of America	77/882599	11/30/2009	3990779	7/5/2011

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		STORM and Design					
613.	Vista Outdoor Operations LLC	OMEGA	United States of America	75051462	1/31/1996	2068943	6/10/1997
614.	Vista Outdoor Operations LLC	OMEGA	United States of America	85941948	5/24/2013	5352816	12/12/2017
615.	Vista Outdoor Operations LLC	OMEGA	United States of America	85941963	5/24/2013	5352817	12/12/2017
616.	Vista Outdoor Operations LLC	BLACKHAWK	United States of America	75696418	5/3/1999	2737060	7/15/2003
617.	Vista Outdoor Operations LLC	NOTHING SHALL STAND IN YOUR WAY	United States of America	76535433	7/25/2003	2902909	11/16/2004
618.	Vista Outdoor Operations LLC	DE and Design	United States of America	76578455	3/1/2004	2959198	6/7/2005
619.	Vista Outdoor Operations LLC	MOD	United States of America	78440015	6/23/2004	2987531	8/23/2005
620.	Vista Outdoor Operations LLC	S.T.R.I.K.E.	United States of America	78548470	1/17/2005	3041727	1/10/2006
621.	Vista Outdoor Operations LLC	S.T.R.I.K.E.	United States of America	78548468	1/17/2005	3122850	8/1/2006
622.	Vista Outdoor Operations LLC	MOD TACTICAL KNIVES & design	United States of America	78440469	6/24/2004	3049139	1/24/2006
623.	Vista Outdoor Operations LLC	AVIATOR	United States of America	77106134	2/13/2007	3510584	10/7/2008
624.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	78551681	1/21/2005	3100312	6/6/2006

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
625.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	78551713	1/21/2005	3198084	1/16/2007
626.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	78781669	12/28/2005	3203714	1/30/2007
627.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	78551749	1/21/2005	3128839	8/15/2006
628.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	77369472	1/11/2008	3582358	3/3/2009
629.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	85/755671	10/16/2012	4317248	4/9/2013
630.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	86961186	4/1/2016		
631.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	86961177	4/1/2016	5216334	6/6/2017
632.	Vista Outdoor Operations LLC	NIGHT-OPS	United States of America	78519025	11/18/2004	3102110	6/6/2006
633.	Vista Outdoor Operations LLC	HONOR AS A WAY OF LIFE	United States of America	78618598	4/28/2005	3129095	8/15/2006
634.	Vista Outdoor Operations LLC	HONOR AS A WAY OF LIFE	United States of America	78618602	4/28/2005	3129096	8/15/2006
635.	Vista Outdoor Operations LLC	HONOR AS A WAY OF LIFE	United States of America	78618614	4/28/2005	3129097	8/15/2006
636.	Vista Outdoor Operations LLC	HONOR AS A WAY OF LIFE	United States of America	78618622	4/28/2005	3129098	8/15/2006
637.	Vista Outdoor Operations LLC	HONOR AS A WAY OF LIFE	United States of America	78618608	4/28/2005	3437728	5/27/2008

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
638.	Vista Outdoor Operations LLC	GLADIUS	United States of America	87353143	2/28/2017		
639.	Vista Outdoor Operations LLC	CQC	United States of America	85/142026	9/30/2010	4040774	10/18/2011
640.	Vista Outdoor Operations LLC	SERPA	United States of America	78/829678	3/6/2006	3195367	1/2/2007
641.	Vista Outdoor Operations LLC	SERPA	United States of America	85142032	9/30/2010	4058597	11/22/2011
642.	Vista Outdoor Operations LLC	THE WORLD'S FINEST TACTICAL GEAR	United States of America	78873279	5/1/2006	3209132	2/13/2007
643.	Vista Outdoor Operations LLC	MEGA design	United States of America	78548487	1/17/2005	3214759	3/6/2007
644.	Vista Outdoor Operations LLC	MEGA design	United States of America	78550543	1/20/2005	5352472	12/12/2017
645.	Vista Outdoor Operations LLC	MEGA ELITE design	United States of America	78548482	1/17/2005	3223866	4/3/2007
646.	Vista Outdoor Operations LLC	MEGA ELITE design	United States of America	78548473	1/17/2005	5352471	12/12/2017
647.	Vista Outdoor Operations LLC	BLACKHAWK! WARRIOR WEAR	United States of America	78676007	7/22/2005	3331281	11/6/2007
648.	Vista Outdoor Operations LLC	BLACKHAWK! WARRIOR WEAR	United States of America	78/676018	7/22/2005	4522175	4/29/2014
649.	Vista Outdoor Operations LLC	DYNAMIC ENTRY	United States of America	77106086	2/13/2007	3438980	6/3/2008
650.	Vista Outdoor Operations LLC	INTEGRATED TOURNIQUET	United States of	77402723	2/21/2008	3545553	12/9/2008

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
		SYSTEM	America				
651.	Vista Outdoor Operations LLC	I.T.S.	United States of America	77402664	2/21/2008	3575093	2/17/2009
652.	Vista Outdoor Operations LLC	KNOXX	United States of America	77904927	1/5/2010	3828171	8/3/2010
653.	Vista Outdoor Operations LLC	K and Design	United States of America	77904940	1/5/2010	3828172	8/3/2010
654.	Vista Outdoor Operations LLC	STINGRAY	United States of America	87524965	7/12/2017		
655.	Vista Outdoor Operations LLC	SPORTSTER	United States of America	85/079164	7/7/2010	3922872	2/22/2011
656.	Vista Outdoor Operations LLC	SPORTSTER	United States of America	85079168	7/7/2010	4483240	2/18/2014
657.	Vista Outdoor Operations LLC	SPORTSTER	United States of America	85/079171	7/7/2010	4126166	4/10/2012
658.	Vista Outdoor Operations LLC	GUARD DOG	United States of America	85/095957	7/29/2010	4036081	10/4/2011
659.	Vista Outdoor Operations LLC	AXIOM	United States of America	85532975	2/3/2012	4205521	9/11/2012
660.	Vista Outdoor Operations LLC	FEDERAL AMMUNITION CHAMPION and Halfstamp Design	United States of America	85/110052	8/18/2010	4018302	8/30/2011
661.	Vista Outdoor Operations LLC	AR-COMP	United States of America	85/163545	10/28/2010	4057507	11/15/2011
662.	Vista Outdoor Operations LLC	ALLIANT POWDER	United States of America	85/301284	4/21/2011	4066736	12/6/2011

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
663.	Vista Outdoor Operations LLC	OMEGA ELITE	United States of America	85941994	5/24/2013	5352818	12/12/2017
664.	Vista Outdoor Operations LLC	OMEGA ELITE	United States of America	85942008	5/24/2013	5352819	12/12/2017
665.	Vista Outdoor Operations LLC	GOLD DOT G2	United States of America	85524233	1/24/2012	4400903	9/10/2013
666.	Vista Outdoor Operations LLC	DIVERSION	United States of America	85/687885	7/26/2012	4419638	10/15/2013
667.	Vista Outdoor Operations LLC	POWER CHARGE	United States of America	87694498 Intent-to-Use	11/22/2017		
668.	Vista Outdoor Operations LLC	VERSA-HARNESS	United States of America	85/690677	7/30/2012	4597750	9/2/2014
669.	Vista Outdoor Operations LLC	CRAZY BOUNCE	United States of America	85/690198	7/30/2012	4485904	2/18/2014
670.	Vista Outdoor Operations LLC	EPOCH	United States of America	85692541	8/1/2012	4618001	10/7/2014
671.	Vista Outdoor Operations LLC	Under The Radar	United States of America	85731622	9/18/2012	4560869	7/1/2014
672.	Vista Outdoor Operations LLC	GRIPBREAK	United States of America	85710916	8/23/2012	4841683	10/27/2015
673.	Vista Outdoor Operations LLC	SYNTECH	United States of America	86074472	9/25/2013	4923190	3/22/2016
674.	Vista Outdoor Operations LLC	TECGRIP	United States of America	85913612	4/24/2013	5013222	8/2/2016
675.	Vista Outdoor Operations LLC	PRO CHUCKER	United States of	86006973	7/10/2013	4786393	8/4/2015

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
676.	Vista Outdoor Operations LLC	SAVAGE QUALITY and Design	United States of America	71070070	4/25/1913	100629	10/20/1914
677.	Vista Outdoor Operations LLC	SAVAGE	United States of America	86174166	1/24/2014	4698284	3/10/2015
678.	Vista Outdoor Operations LLC	SAVAGE ARMS	United States of America	86174197	1/24/2014	4698285	3/10/2015
679.	Vista Outdoor Operations LLC	B.O.R.LOCKmz	United States of America	86220648	3/13/2014	4717925	4/7/2015
680.	Vista Outdoor Operations LLC	3RD DEGREE	United States of America	86217546	3/11/2014	4717910	4/7/2015
681.	Vista Outdoor Operations LLC	A17	United States of America	86487180	12/20/2014	4923999	3/22/2016
682.	Vista Outdoor Operations LLC	A17 (stylized - color)	United States of America	86503438	1/14/2015	4924080	3/22/2016
683.	Vista Outdoor Operations LLC	A17 (stylized - B/W)	United States of America	86503443	1/14/2015	4924081	3/22/2016
684.	Vista Outdoor Operations LLC	A17	United States of America	86505747	1/16/2015	4924089	3/22/2016
685.	Vista Outdoor Operations LLC	A17 (stylized - color)	United States of America	86505732	1/16/2015	4924088	3/22/2016
686.	Vista Outdoor Operations LLC	A17 (stylized - B/W)	United States of America	86505757	1/16/2015	4924090	3/22/2016
687.	Vista Outdoor Operations LLC	A22	United States of America	86487181	12/20/2014	5147138	2/21/2017
688.	Vista Outdoor	BLUE MZ	United States of	86/628782	5/13/2015	4985565	6/21/2016

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
	Operations LLC		America				
689.	Vista Outdoor Operations LLC	Trident Design	United States of America	86725272	8/14/2015		
690.	Vista Outdoor Operations LLC	Trident Design	United States of America	86725282	8/14/2015	5360397	12/19/2017
691.	Vista Outdoor Operations LLC	Trident Design	United States of America	86725285	8/14/2015		
692.	Vista Outdoor Operations LLC	CATALYST	United States of America	86730380 Intent-to-Use	8/19/2015		
693.	Vista Outdoor Operations LLC	G2	United States of America	86486391	12/19/2014	4781993	7/28/2015
694.	Vista Outdoor Operations LLC	TSJ	United States of America	86856957	12/22/2015	5157473	3/7/2017
695.	Vista Outdoor Operations LLC	S DESIGN	United States of America	86882319 Intent-to-Use	1/21/2016		
696.	Vista Outdoor Operations LLC	S DESIGN	United States of America	86983479	1/21/2016	5397056	2/6/2018
697.	Vista Outdoor Operations LLC	WORKHORSE	United States of America	86866513	1/5/2016	5205735	5/16/2017
698.	Vista Outdoor Operations LLC	BARREL BADGER	United States of America	86919500	2/25/2016	5162616	3/14/2017
699.	Vista Outdoor Operations LLC	GOLD MEDAL GRAND	United States of America	87064714	6/8/2016	5397199	2/6/2018
700.	Vista Outdoor Operations LLC	SOFTCELL	United States of America	87064692	6/8/2016	5267349	8/15/2017

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
701.	Vista Outdoor Operations LLC	CONSERVATION COUNTS	United States of America	87103727	7/14/2016		
702.	Vista Outdoor Operations LLC	PRIMERLOCK	United States of America	87064710	6/8/2016		
703.	Vista Outdoor Operations LLC	HI-BIRD	United States of America	87144538	8/19/2016	5206461	5/16/2017
704.	Vista Outdoor Operations LLC	SPORT PISTOL	United States of America	87155414	8/30/2016		
705.	Vista Outdoor Operations LLC	OMNIVORE	United States of America	87099467	7/11/2016	5201722	5/9/2017
706.	Vista Outdoor Operations LLC	ASAP	United States of America	87117010	7/26/2016	5312868	10/17/2017
707.	Vista Outdoor Operations LLC	HUNTER MATCH	United States of America	87135857	8/11/2016	5341893	11/21/2017
708.	Vista Outdoor Operations LLC	FLITECONTROL FLEX	United States of America	87133986	8/10/2016	5313012	10/17/2017
709.	Vista Outdoor Operations LLC	EASY MELT	United States of America	87304137	1/17/2017		
710.	Vista Outdoor Operations LLC	BRASS BOSS	United States of America	87377573	3/20/2017		
711.	Vista Outdoor Operations LLC	SMART OPTICS	United States of America	87179003 Intent-to-Use	9/21/2016		
712.	Vista Outdoor Operations LLC	EDGE TLR	United States of America	87200098	10/11/2016	5356274	12/12/2017
713.	Vista Outdoor Operations LLC	ACCUCHANNE L	United States of	87187307	9/29/2016		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
714.	Vista Outdoor Operations LLC	COOL REACT	United States of America	87231689	11/9/2016	5361143	12/19/2017
715.	Vista Outdoor Operations LLC	MSR & Design	United States of America	87295944 Intent-to-Use	1/10/2017		
716.	Vista Outdoor Operations LLC	MSR & Design	United States of America	87/295939 Intent-to-Use	1/10/2017		
717.	Vista Outdoor Operations LLC	MSR & Design	United States of America	87295945	1/10/2017		
718.	Vista Outdoor Operations LLC	VALKYRIE	United States of America	87624427 Intent-to-Use	9/27/2017		
719.	Vista Outdoor Operations LLC	BETTER COMES STANDARD	United States of America	87343429 Intent-to-Use	2/21/2017		
720.	Vista Outdoor Operations LLC	BETTER COMES STANDARD	United States of America	87350810 Intent-to-Use	2/27/2017		
721.	Vista Outdoor Operations LLC	BIOBIRD	United States of America	87524944	7/12/2017		
722.	Vista Outdoor Operations LLC	ACCUFIT	United States of America	87523548	7/11/2017		
723.	Vista Outdoor Operations LLC	BEE STEADY	United States of America	87532835 Intent-to-Use	7/18/2017		
724.	Vista Outdoor Operations LLC	HYDRA-SHOK DEEP	United States of	87582740	8/24/2017		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
			America				
725.	Vista Outdoor Operations LLC	FOUNDATION	United States of America	87527515	7/13/2017		
726.	Vista Outdoor Operations LLC	REBEL	United States of America	87531918 Intent-to-Use	7/18/2017		
727.	Vista Outdoor Operations LLC	STAX	United States of America	87534032	7/19/2017		
728.	Vista Outdoor Operations LLC	OWN THE RANGE	United States of America	87574477 Intent-to-Use	8/18/2017		
729.	Vista Outdoor Operations LLC	VALKYRIE V AND DESIGN	United States of America	87624433 Intent-to-Use	9/27/2017		
730.	Vista Outdoor Operations LLC	AIRVAULT	United States of America	87806501 Intent-to-Use	2/22/2018		
731.	Vista Outdoor Operations LLC	VANQUISH	United States of America	87818484 Intent-to-Use	3/2/2018		
732.	Vista Outdoor Operations LLC	ARMOR FOR YOUR EARS	United States of America	87820702 Intent-to-Use	3/5/2018		
733.	Vista Outdoor Operations LLC	CHROMACOA T	United States of America	87818475 Intent-to-Use	3/2/2018		
734.	Vista Outdoor Operations LLC	BREECHCHAR GE MZ	United States of America	87821682 Intent-to-Use	3/6/2018		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
735.	Bell Sports, Inc.	FLEX SPHERICAL	United States of America	88013468 Intent-to-Use	06/25/18		
736.	Bell Sports, Inc.	GIRO	United States of America	88132900	09/26/18		
737.	Bell Sports, Inc.	FLEX	United States of America	88035100	07/12/18		
738.	Bell Sports, Inc.	PROVISION	United States of America	87888186 Intent-to-Use	04/23/18		
739.	Bell Sports, Inc.	FLOORNADO	United States of America	87944810 Intent-to-Use	06/01/18		
740.	Bell Sports, Inc.	PROTINT	United States of America	87944644 Intent-to-Use	06/01/18		
741.	Bell Sports, Inc.	MOTIVATOR	United States of America	87910721 Intent-to-Use	05/07/18		
742.	Bell Sports, Inc.	WHEELHOUSE	United States of America	87911065 Intent-to-Use	05/08/18		
743.	Bell Sports, Inc.	AETHER	United States of America	87888174 Intent-to-Use	04/23/18		
744.	Bell Sports, Inc.	NOOB	United States of America	87736707 Intent-to-Use	12/28/17		
745.	Bell Sports, Inc.	STAR	United States of America	86975273	07/16/13		
746.	Bell Sports, Inc.	OUT THERE	United States of America	86975271 Intent-to-Use	07/18/13		
747.	Bell Sports, Inc.	OUT THERE	United States of America	86014392 Intent-to-Use	07/18/18		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
748.	Bell Sports, Inc.	STAR	United States of America	86011886	07/16/13		
749.	Bell Sports, Inc.	SPORTS INSTRUMENTS	United States of America	75203023	11/22/96	2248034	05/25/99
750.	Bell Sports, Inc.	SPORTS INSTRUMENTS	United States of America	75035142	12/21/95	2046795	03/18/97
751.	Bell Sports, Inc.	NO-MOR FLATS	United States of America	74557134	08/04/94	1927643	10/17/95
752.	Bell Sports, Inc.	BLACKBURN	United States of America	74403216	06/21/93	1859627	10/25/94
753.	Bushnell Holdings, Inc.	DOUBLE BULL	United States of America	88064378	08/03/18		
754.	Bushnell Holdings, Inc.	WATCHLINK	United States of America	88144958 Intent-to-Use	10/05/18		
755.	Bushnell Holdings, Inc.	KENNELUP	United States of America	88001795 Intent-to-Use	06/15/18		
756.	Bushnell Holdings, Inc.	DOGG NET SERIES	United States of America	87944813 Intent-to-Use	06/01/18		
757.	Bushnell Holdings, Inc.	TRIPLE DOGG	United States of America	87919384 Intent-to-Use	05/14/18		
758.	Bushnell Holdings, Inc.	HORN DOGG	United States of America	87919377 Intent-to-Use	05/14/18		
759.	Bushnell Holdings, Inc.	TOP DOGG	United States of America	87919374 Intent-to-Use	05/14/18		
760.	Bushnell Holdings, Inc.	DOGG NET	United States of America	87919370 Intent-to-Use	05/14/18		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
761.	Bushnell Holdings, Inc.	DOGG TRAP	United States of America	87919398 Intent-to-Use	05/14/18		
762.	Bushnell Holdings, Inc.	RELAY	United States of America	87920143 Intent-to-Use	05/14/18		
763.	Bushnell Holdings, Inc.	AUTOPILOT	United States of America	87919351 Intent-to-Use	05/14/18		
764.	Bushnell Inc.	VISUAL JOLT	United States of America	88084723 Intent-to-Use	08/20/18		
765.	Bushnell Inc.	CORE	United States of America	87953133 Intent-to-Use	06/07/18		
766.	Bushnell Inc.	SENSOR	United States of America	87926067 Intent-to-Use	05/17/18		
767.	Bushnell Inc.	JUNK DRAWER	United States of America	87888138 Intent-to-Use	04/23/18		
768.	Bushnell Inc.	PRONGHORN	United States of America	85736495	09/24/12	4328375	04/30/13
769.	C Preme Limited LLC	RASKULLZ	United States of America	87896149	04/27/18		
770.	CamelBak Products, LLC	PIVOT	United States of America	88160018 Intent-to-Use	10/18/18		
771.	CamelBak Products, LLC	REPURPOSE	United States of America	88160013 Intent-to-Use	10/18/18		
772.	CamelBak Products, LLC	PEAK	United States of America	88152148 Intent-to-Use	10/11/18		
773.	CamelBak Products, LLC	BECK	United States of America	88011358 Intent-to-Use	06/22/18		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
774.	Gold Tip, LLC	AIRSTRIKE	United States of America	87952883 Intent-to-Use	06/07/18		
775.	Gold Tip, LLC	VELOCIRAPTOR	United States of America	87952871 Intent-to-Use	06/07/18		
776.	Logan Outdoor Products, LLC	VERSAGRILLITY	United States of America	88131031	09/25/18		
777.	Logan Outdoor Products, LLC	RECIPE FOR FAMILY FUN	United States of America	88072832	08/09/18		
778.	Logan Outdoor Products, LLC	PURSUIT	United States of America	87938794 Intent-to-Use	05/29/18		
779.	Logan Outdoor Products, LLC	WOODWIND	United States of America	87934383	05/24/18		
780.	Logan Outdoor Products, LLC	STRYKER	United States of America	87934378	05/24/18		
781.	Logan Outdoor Products, LLC	VERSATOP	United States of America	87938793 Intent-to-Use	05/29/18		
782.	Vista Outdoor Operations LLC	BLACKHAWK! And Trident Design	United States of America	88048728	07/23/18		
783.	Vista Outdoor Operations LLC	BLACKHAWK!	United States of America	88048431	07/23/18		
784.	Vista Outdoor Operations LLC	BLACKHAWK! TRIDENT	United States of America	87944634	06/01/18		
785.	Vista Outdoor Operations LLC	BYOB	United States of America	88155548	10/15/18		
786.	Vista Outdoor Operations LLC	CARNIVORE	United States of America	87043316	05/19/16	5229379	06/20/17

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
787.	Vista Outdoor Operations LLC	FEDERAL	United States of America	87919401 Intent-to-Use	05/14/18		
788.	Vista Outdoor Operations LLC	FEDERAL PREMIUM	United States of America	87919467 Intent-to-Use	05/14/18		
789.	Vista Outdoor Operations LLC	FORCE ON FORCE	United States of America	77117591	02/27/07	3455918	06/24/08
790.	Vista Outdoor Operations LLC	GUNSLICKER	United States of America	87952763	06/07/18		
791.	Vista Outdoor Operations LLC	MATCHMASTER	United States of America	88015869 Intent-to-Use	06/26/18		
792.	Vista Outdoor Operations LLC	None (design only) L-shaped Button Design	United States of America	87945268	06/01/18		
793.	Vista Outdoor Operations LLC	None (design only) Trident Design	United States of America	88048717	07/23/18		
794.	Vista Outdoor Operations LLC	Speer Shield Design	United States of America	88006327 Intent-to-Use	06/19/18		
795.	Vista Outdoor Operations LLC	SLIPSTREAM	United States of America	88010684	06/22/18		
796.	Vista Outdoor Operations LLC	SPEER	United States of America	88006339 Intent-to-Use	06/19/18		
797.	Vista Outdoor Operations LLC	SPEER LE	United States of America	88006311 Intent-to-Use	06/19/18		
798.	Vista Outdoor Operations LLC	SYNTECH ACTION PISTOL	United States of America	88153385	10/12/18		
799.	Vista Outdoor Operations LLC	SYNTECH DEFENSE	United States of America	88153194 Intent-to-Use	10/12/18		

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	Additional Grantor	Mark	Country	Applic. No.	Applic. Date	Reg. No	Reg. Date
800.	Vista Outdoor Operations LLC	SYNTECH PCC	United States of America	88153188 Intent-to-Use	10/12/18		
801.	Vista Outdoor Operations LLC	SYNTECH TRAINING MATCH	United States of America	88153172 Intent-to-Use	10/12/18		
802.	Vista Outdoor Operations LLC	TACTICAL EBR	United States of America	87952895	06/07/18		
803.	Vista Outdoor Operations LLC	TECGRIP	United States of America	88014922 Intent-to-Use	06/26/18		

**Schedule C to the
Release of Term Loan Intellectual Property Agreement**

COPYRIGHTS

	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
1.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	2004
2.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	2003
3.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	2000
4.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1999
5.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1998
6.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1997
7.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1996
8.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels	United States of America	CSN0142882	1995

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
		of Oregon.			
9.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1994
10.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1993
11.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1992
12.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	CSN0142882	1991
13.	Michaels of Oregon Company	Michaels of Oregon Company : making good guns better.	United States of America	CSN0056598	1984
14.	Michaels of Oregon Company	Michaels of Oregon Company : making good guns better.	United States of America	CSN0056598	1983
15.	Michaels of Oregon Company	2000 shooter's catalog.	United States of America	TX0005775841	1999
16.	Michaels of Oregon Company	Butler Creek.	United States of America	CSN0141057	2004
17.	Michaels of Oregon Company	Butler Creek.	United States of America	CSN0141057	2003
18.	Michaels of Oregon Company	Butler Creek.	United States of America	CSN0141057	1998
19.	Michaels of Oregon Company	Butler Creek.	United States of America	CSN0141057	1997

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
20.	Michaels of Oregon Company	Butler Creek 2001 shooter's catalog.	United States of America	TX0005756099	2000
21.	Michaels of Oregon Company	Butler Creek, 2003.	United States of America	TX0005753653	2002
22.	Michaels of Oregon Company	Hoppe's.	United States of America	CSN0141707	2004
23.	Michaels of Oregon Company	Hoppe's.	United States of America	CSN0141707	2003
24.	Michaels of Oregon Company	Hoppe's.	United States of America	CSN0141707	2002
25.	Michaels of Oregon Company	Hoppe's.	United States of America	CSN0141707	1999
26.	Michaels of Oregon Company	Hoppe's 2002.	United States of America	TX0005830975	2001
27.	Michaels of Oregon Company	Hoppe's 9 the gun care people 2004.	United States of America	TX0005951278	2003
28.	Michaels of Oregon Company	Shooter's catalog 2002.	United States of America	TX0005775840	2001
29.	Michaels of Oregon Company	Uncle Mike's, 2003.	United States of America	TX0005753654	2002
30.	Michaels of Oregon Company	Uncle Mike's Law Enforcement, 2003.	United States of America	TX0005753652	2002
31.	Michaels of Oregon Company	Uncle Mike's law enforcement 2004.	United States of America	TX0005951279	2003
32.	Michaels of Oregon Company	Uncle Mike's sidekick professional 1995.	United States of America	TX0005808212	1994
33.	Michaels of Oregon Company	Uncle Mike's sidekick professional 1998.	United States of America	TX0005808213	1997
34.	Michaels of Oregon Company	Uncle Mike's sidekick professional 2000.	United States of America	TX0005808214	1999
35.	Michaels of	Uncle Mike's sidekick	United States of	TX0005808211	2000

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
	Oregon Company	professional 2001.	America		
36.	Michaels of Oregon Company	Uncle Mikes' Sidekick professional Dedicated to Duty, 1994.	United States of America	TX0005808125	1993
37.	Michaels of Oregon Company	Uncle Mikes' Sidekick professional Dedicated to Duty, 1996.	United States of America	TX0005808126	1995
38.	Michaels of Oregon Company	Uncle Mikes' Sidekick professional Dedicated to Duty : 1999.	United States of America	TX0005808128	1998
39.	Michaels of Oregon Company	Uncle Mikes' Sidekick professional Dedicated to Duty, 2002.	United States of America	TX0005808124	2001
40.	Michaels of Oregon Company	Uncle Mikes' Sidekick professional Dedicated to Duty : our 50th year, 1997.	United States of America	TX0005808127	1996
41.	Michaels of Oregon Company	Uncle Mikes' the whole shootin' match, 2002.	United States of America	TX0005808066	2001
42.	Bushnell Holdings, Inc.	Primo's Truth About Hunting : 14.	United States of America	PAu003549813	2010
43.	Bushnell Holdings, Inc.	Primo's Truth About Hunting : 16.	United States of America	PAu003566688	2010
44.	Bushnell Holdings, Inc.	Primo's Truth About Hunting : 17.	United States of America	PAu003498192	2010
45.	Bushnell Holdings, Inc.	Primo's Truth About Hunting :	United States of America	PAu003563248	2010

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
		18.			
46.	Bushnell Holdings, Inc.	Primo's Truth About Hunting : 19.	United States of America	PAu003563250	2010
47.	Bushnell Holdings, Inc.	Primos Truth About Whitetail : 2.	United States of America	PAu003518437	2010
48.	Bushnell Holdings, Inc.	Primos Truth About Whitetail : 3.	United States of America	PAu003564190	2010
49.	Bushnell Holdings, Inc.	Primos Truth About Whitetail : 4.	United States of America	PAu003564188	2010
50.	Bushnell Holdings, Inc.	Primos Truth About Whitetails : 6.	United States of America	PAu003657289	2013
51.	Bushnell Holdings, Inc.	B-Mobile.	United States of America	VA0001652535	2006
52.	Bushnell Holdings, Inc.	Jim Shockey with Trigger Stick.	United States of America	VAu001258977	2016
53.	Bushnell Holdings, Inc.	Jim Shockey with Trigger Stick.	United States of America	VAu001260007	2016
54.	Bushnell Holdings, Inc.	Matrix Camouflage Pattern.	United States of America	VA0001674893	2005
55.	Bushnell Holdings, Inc.	Primos victory song.	United States of America	SR0000198650	1993
56.	Bushnell Holdings, Inc.	Primos victory song. By Primos, Inc.	United States of America	SR0000254806	1995
57.	Bushnell Holdings, Inc.	Trigger Stick Packaging.	United States of America	VA0002024457	2013
58.	Bushnell Holdings, Inc.	Primo's Truth About Hunting : 15.	United States of America	PAu003550666	2010
59.	Bushnell Holdings, Inc.	Primos Truth About Whitetail:	United States of America	PAu003518426	2010

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
		Episode 1.			
60.	EAGLE INDUSTRIES UNLIMITED, INC.	Eagle Inspired Artwork.	United States of America	VA0002084086	1991
61.	Bell Sports, Inc.	VL-300C Sales Brochure	United States of America	TX0003392756	1992
62.	Michaels of Oregon Company	World's fastest gun bore cleaner Simply a better way to clean handguns, rifles and shotguns.	United States of America	VA0000863450	04/28/97
63.	Michaels of Oregon Company	Michaels of Oregon Company : making good guns better.	United States of America	TX0001348642	05/21/84
64.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770104	06/24/03
65.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770105	06/24/03
66.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770109	06/24/03
67.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770108	06/24/03
68.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770107	06/24/03
69.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770110	06/24/03
70.	Michaels of Oregon Company	Uncle Mike's : Making Good	United States of	TX0005770106	06/24/03

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	Additional Grantor	Title of Work	Country	Copyright No.	Issue Date
		Guns Better for 50 years / by Michaels of Oregon.	America		
71.	Michaels of Oregon Company	Butler Creek.	United States of America	TX0005770872	06/19/03
72.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005770103	06/24/03
73.	Michaels of Oregon Company	Butler Creek.	United States of America	TX0005756267	06/19/03
74.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005756199	06/23/03
75.	Michaels of Oregon Company	Hoppe's.	United States of America	TX0005966380	10/07/03
76.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005756200	06/23/03
77.	Michaels of Oregon Company	Hoppe's.	United States of America	TX0005739302	06/03/03
78.	Michaels of Oregon Company	Uncle Mike's : Making Good Guns Better for 50 years / by Michaels of Oregon.	United States of America	TX0005952946	04/01/04
79.	Michaels of Oregon Company	Butler Creek.	United States of America	TX0005964646	04/01/04
80.	Bushnell Holdings, Inc.	Ground swat camouflage pattern	United States of America	VAu000738822	03/27/07
81.	C Preme Limited LLC	Raccoon helmet copyright art, et al	United States of America	VAu001049376	11/29/10

Schedule C - 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 9,782,028 B2
APPLICATION NO. : 13/479962
DATED : October 10, 2017
INVENTOR(S) : Jeff Davies and Derek Gavin Sullivan

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims

Claim 12, Column 23, Line 15, after “the second catch structure and thus” please delete “penult” and insert --permit-- therefor.

Signed and Sealed this
Twenty-first Day of November, 2017



Joseph Matal
*Performing the Functions and Duties of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

October 25, 2017

Atty. Docket No.: KRN 356A

In re Patent of:
CamelBak Products, LLC

Inventors : JEFF DAVIES and DEREK GAVIN SULLIVAN

Serial No. : 13/479,962

Filed : May 24, 2012

Patent No. : 9,782,028 B2

Issued : October 10, 2017

For : DRINK CONTAINERS

Attn: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REQUEST FOR CERTIFICATE OF CORRECTION

Attached for entry in connection with the above-identified patent is a Certificate of Correction to correct an error made by the U.S. Patent and Trademark Office. Specifically, in claim 12, column 23, line 15, “disengage the second catch structure and thus penult ...” should be “disengage the second catch structure and thus permit ...”.

The undersigned requests that this correction be made on the patent and that a copy of the Certificate of Correction be sent to Patentee’s correspondence address listed on the Certificate of Correction.

The undersigned may be reached at the number listed below if there are any remaining issues or questions.

CERTIFICATE OF E-FILING

I hereby certify that this correspondence and the attached Certificate of Correction, are being transmitted electronically via the United States Patent and Trademark Office's EFS-Web System on October 25, 2017.



David S. D'Ascenzo

Respectfully submitted,

DASCENZO INTELLECTUAL
PROPERTY LAW, P.C.



David S. D'Ascenzo
Registration No. 39,952
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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 9,782,028 B2

APPLICATION NO.: 13/479,962

ISSUE DATE : October 10, 2017

INVENTOR(S) : Jeff Davies and Derek Gavin Sullivan

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

Claim 12, Column 23, Line 15, after "the second catch structure and thus" please delete "penult" and insert --permit-- therefor.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

VISTA OUTDOOR OPERATIONS LLC
1 Vista Way
Anoka, MN 55303

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Electronic Acknowledgement Receipt	
EFS ID:	30753721
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	137531
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	25-OCT-2017
Filing Date:	24-MAY-2012
Time Stamp:	11:47:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Certificate of Correction	Request_for_Certificate_of_Correction_KRN356A_10-25-17.pdf	189211 13b9f04d0a639bbf2c9f92998e9e12ad874c3fdf	no	3

Warnings:

Information:	
Total Files Size (in bytes):	189211
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CHANGE OF CORRESPONDENCE ADDRESS <i>Application</i> Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	Application Number	13/479,962
	Filing Date	May 24, 2012
	First Named Inventor	Jeff Davies
	Art Unit	3788
	Examiner Name	Robert Poon
	Attorney Docket Number	KRN 356A

Please change the Correspondence Address for the above-identified patent application to:

☒ The address associated with Customer Number: 137531

OR

☐ Firm or Individual Name

Address

City State Zip

Country

Telephone Email

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

I am the:

☐ Applicant/Inventor

☐ Assignee of record of the entire interest.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

☒ Attorney or agent of record. Registration Number 39,952

☐ Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See 37 CFR 1.33(a)(1). Registration Number _____

Signature /David S. D'Ascenzo/

Typed or Printed Name David S. D'Ascenzo

Date September 21, 2017 Telephone (503) 224-7529

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below".

☒ *Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt	
EFS ID:	30431541
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	139868
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	21-SEP-2017
Filing Date:	24-MAY-2012
Time Stamp:	11:43:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment		no			
File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	Change_of_Correspondence_Address_KRN356A_9-21-17.pdf	82567 1567efcd16b4f0138314c15819884c687c42df3	no	2
Warnings:					

Information:	
Total Files Size (in bytes):	82567
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	10/10/2017	9782028	KRN 356A	8853

139868 7590 09/20/2017
DASCENZO Intellectual Property Law, P.C.
1000 SW Broadway, Suite 1555
Portland, OR 97205

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 988 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

JEFF DAVIES, Windsor, CA;
DEREK GAVIN SULLIVAN, Oakland, CA;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
13479962	24-May-2012	JEFF DAVIES	KRN 356A	8853

TITLE OF INVENTION :

DRINK CONTAINERS

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Regular Undiscounted	Utility under 35 USC 111(a)	3788	707000	ROBERT POON
Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
\$960	\$0	\$960	08-Sep-2017	\$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
139868 DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland OR 97205 UNITED STATES 503-224-7529	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status**Change in Entity Status**

Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.

Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.



Applicant asserting small entity status. See 37 CFR 1.27.

Note: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.



Applicant changing to regular undiscounted fee status.

Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.



Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:☒ Issue Fee☐ I authorize USPTO to apply my previously paid issue fee to the current fees due☐ Publication Fee☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____☐ Advance Order - # of copies _____

If **in addition to** the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 504551.

☒ The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed**NOTE: If no name is listed, no name will be printed**

For printing on the patent front page, list to be displayed as entered

1. DASCENZO INTELLECTUAL PROPERTY LAW, P.C.

2. David S. D'Ascenzo

3.

5.Assignee Name(s) and Residence Data To Be Printed

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

Name	City	State	Country	Category
CamelBak Products, LLC	Petaluma	CALIFORNIA	united states	corporation

6.Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/David S. D'Ascenzo/	Date	08-30-2017
Name	David S. D'Ascenzo	Registration Number	39952

Electronic Patent Application Fee Transmittal				
Application Number:		13479962		
Filing Date:		24-May-2012		
Title of Invention:		DRINK CONTAINERS		
First Named Inventor/Applicant Name:		JEFF DAVIES		
Filer:		David S. D'Ascenzo/Robin Davin		
Attorney Docket Number:		KRN 356A		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPL ISSUE FEE	1501	1	960	960
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				960

Electronic Acknowledgement Receipt	
EFS ID:	30221891
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	139868
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	30-AUG-2017
Filing Date:	24-MAY-2012
Time Stamp:	11:23:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 960
RAM confirmation Number	083017INTEFSW00014177504551
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	Web85b.pdf	45957	no	2
			3a924ac5f9cd28ceb6c434545212c9f436385694		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32034	no	2
			f47e6d7f6547c25eb2056a987661f1b6d77f010c		
Warnings:					
Information:					
Total Files Size (in bytes):			77991		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

139868 7590 06/08/2017
DASCENZO Intellectual Property Law, P.C.
1000 SW Broadway, Suite 1555
Portland, OR 97205

EXAMINER

POON, ROBERT

ART UNIT

PAPER NUMBER

3788

DATE MAILED: 06/08/2017

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
TITLE OF INVENTION: DRINK CONTAINERS				

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/08/2017

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

139868 7590 06/08/2017
DASCENZO Intellectual Property Law, P.C.
1000 SW Broadway, Suite 1555
Portland, OR 97205

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853

TITLE OF INVENTION: DRINK CONTAINERS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$960	\$0	\$0	\$960	09/08/2017

EXAMINER	ART UNIT	CLASS-SUBCLASS
POON, ROBERT	3788	220-707000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
☐ Applicant asserting small entity status. See 37 CFR 1.27
☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
139868	7590	06/08/2017	EXAMINER	
DASCENZO Intellectual Property Law, P.C.			POON, ROBERT	
1000 SW Broadway, Suite 1555			ART UNIT	
Portland, OR 97205			PAPER NUMBER	

3788

DATE MAILED: 06/08/2017

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 13/479,962	Applicant(s) DAVIES ET AL.	
	Examiner ROBERT POON	Art Unit 3788	AIA (First Inventor to File) Status No

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/1/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-21. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
Certified copies:
a) ☐ All b) ☐ Some *c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____	6. ☐ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	7. ☐ Other _____
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____	

/ROBERT POON/ Examiner, Art Unit 3788	

Search Notes 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
220	252, 705, 707-709	9/27/2012	rp
215	387-389	9/27/2012	rp

SEARCH NOTES		
Search Notes	Date	Examiner
see EAST search history	9/27/2012	rp
inventor search	9/27/2012	rp
updated search	8/23/2013	rp
updated search	5/21/2017	rp

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
	EAST text search	5/21/2017	rp

/ROBERT POON/ Examiner.Art Unit 3788	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S44	57	((("20030085232") or ("20030102318") or ("20030218015") or ("20040069783") or ("20040159820") or ("20050029271") or ("20050056610") or ("20050133519") or ("20050205587") or ("20050218242") or ("20060226110") or ("20070039959") or ("20080237233") or ("20100181329") or ("2936934") or ("3181743") or ("3283967") or ("3294293") or ("3907179") or ("4485963") or ("4860934") or ("5203468") or ("5242079") or ("5273172") or ("5332131") or ("5337918") or ("5392968") or ("5465866") or ("5518142") or ("5520304") or ("5873478") or ("5884793") or ("5897013") or ("6050445") or ("6059154") or ("6070767") or ("6116458") or ("6276560") or ("6279773") or ("6390341") or ("6422415") or ("6607092") or ("6609624") or ("6675998") or ("6745949") or ("6915961") or ("7059490") or ("7147126") or ("7201284") or ("d547606") or ("d547607") or ("7255241") or ("7533783"))).PN.	US- PGPUB; USPAT; USOCR	OR	OFF	2017/02/24 14:49
S45	6	"12357114"	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2017/05/04 13:05
S46	1	("5203468").PN.	USPAT; USOCR	OR	OFF	2017/05/04 13:09
S47	1	("5582320").PN.	USPAT; USOCR	OR	OFF	2017/05/04 13:23
S48	212	220/252.ccls.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2017/05/31 10:42

EAST Search History

S49	433	220/707-709.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2017/05/31 10:42
S50	723	215/387-389.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2017/05/31 10:44

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	2	drink and liquid and container and mouthpiece and outlet and dispensing and tube and anchor and release and catch and deformable	USPAT	OR	OFF	2017/06/03 23:01
S23	2	drink near2 container and catch and mouthpiece and anchor	USPAT	OR	OFF	2012/03/23 15:10
S33	0	"13620078"	USPAT	OR	OFF	2012/12/01 01:29
S41	1	drink near container and cap and catch and mouthpiece and dispensing and outlet and tube and crimping and anchor and release near2 mechanism and channel	USPAT	OR	ON	2013/03/23 20:31
S51	2	drink and cap and catch and mouthpiece and inlet and dispensing and mechanism and tube and anchor	USPAT	OR	OFF	2017/05/31 10:48

6/ 4/ 2017 12:20:03 AM

C:\Users\rpoon\Documents\EAST\Workspaces\app12357114.wsp

Issue Classification 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.	
	Examiner ROBERT POON	Art Unit 3788	

CPC						
Symbol					Type	Version
A47G		19		2266	F	2013-01-01

CPC Combination Sets				
Symbol	Type	Set	Ranking	Version

/ROBERT POON/ Examiner.Art Unit 3788 (Assistant Examiner)		Total Claims Allowed: 21	
/ROBERT POON/ Examiner.Art Unit 3788 (Primary Examiner)		06/03/2017 (Date)	O.G. Print Claim(s) 1
			O.G. Print Figure 7

Issue Classification 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

US ORIGINAL CLASSIFICATION						INTERNATIONAL CLASSIFICATION													
CLASS		SUBCLASS				CLAIMED					NON-CLAIMED								
220		707				A	4	7	G	19 / 22 (2006.01.01)									
CROSS REFERENCE(S)																			
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)																		
220	709																		
215	387																		

/ROBERT POON/ Examiner.Art Unit 3788 (Assistant Examiner)		Total Claims Allowed: 21	
/ROBERT POON/ Examiner.Art Unit 3788 (Primary Examiner)		06/03/2017 (Date)	O.G. Print Claim(s) 1
			O.G. Print Figure 7

Issue Classification 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
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/ROBERT POON/ Examiner.Art Unit 3788 (Assistant Examiner)	(Date)	Total Claims Allowed: 21	
/ROBERT POON/ Examiner.Art Unit 3788 (Primary Examiner)	06/03/2017 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 7

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	13479962	
Filing Date	24-May-2012	
First Named Inventor	JEFF DAVIES	
Attorney Docket Number	KRN 356A	
Title of Invention	DRINK CONTAINERS	
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CamelBak Products, LLC	100%	
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☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application Registration Number <u> 39952 </u>	
☐ A sole inventor	
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☐ A joint inventor; all of whom are signing this request	
Signature	/David S. D'Ascenzo/
Name	David S. D'Ascenzo

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Electronic Patent Application Fee Transmittal				
Application Number:		13479962		
Filing Date:		24-May-2012		
Title of Invention:		DRINK CONTAINERS		
First Named Inventor/Applicant Name:		JEFF DAVIES		
Filer:		David S. D'Ascenzo/Shelly Monteith		
Attorney Docket Number:		KRN 356A		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 13479962

Filing Date: 24-May-2012

Applicant/Patent under Reexamination: DAVIES

Electronic Terminal Disclaimer filed on June 1, 2017

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt	
EFS ID:	29374336
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	139868
Filer:	David S. D'Ascenzo/Shelly Monteith
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	01-JUN-2017
Filing Date:	24-MAY-2012
Time Stamp:	18:42:10
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	060217INTEFSW00005366504551
Deposit Account	504551
Authorized User	Shelly Monteith
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Electronic Terminal Disclaimer-Filed	eTerminal-Disclaimer.pdf	33469	no	2
			41529c5ed66d41f0865083df7e5679bee5a2a391		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30279	no	2
			d34333cbab3466cb182ac5c816c6755ac3f86ef4		
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Total Files Size (in bytes):			63748		
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853

139868 7590 03/15/2017
DASCENZO Intellectual Property Law, P.C.
1000 SW Broadway, Suite 1555
Portland, OR 97205

EXAMINER
POON, ROBERT

ART UNIT	PAPER NUMBER
3788	

MAIL DATE	DELIVERY MODE
03/15/2017	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

Ex parte JEFF DAVIES and DEREK GAVIN SULLIVAN¹

Appeal 2014-007854
Application 13/479,962
Technology Center 3700

Before JAMES P. CALVE, BRANDON J. WARNER, and
AMANDA F. WIEKER, *Administrative Patent Judges*.

WIEKER, *Administrative Patent Judge*.

DECISION ON APPEAL

STATEMENT OF THE CASE

Jeff Davies and Derek Gavin Sullivan (“Appellants”) appeal under 35 U.S.C. § 134(a) from the Examiner’s final rejection of claims 1, 2, 5–18, 20, and 21.² We have jurisdiction over the appeal under 35 U.S.C. § 6(b).

We REVERSE.

¹ According to Appellants, the Real Party in Interest is CamelBak Products, LLC. Appeal Br. 1 (filed Jan. 7, 2014).

² The Examiner indicated that claims 3, 4, and 19 contain allowable subject matter. Final Act. 13 (mailed Aug. 30, 2013).

CLAIMED SUBJECT MATTER

The invention concerns “drink containers with mouthpiece assemblies that have a dispensing configuration and a stowed configuration.”

Spec. 1:9–10. Claim 1 is illustrative of the subject matter on appeal, and recites:

1. A drink container, comprising:
 - a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid; and
 - a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base removably coupled to the neck of the liquid container and including a through-passage;
 - a first catch structure;
 - a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:
 - a mouthpiece portion that includes the outlet;
 - a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently

deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material;

an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly; and

a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

Appeal Br. (Claims App. 1–2) (emphasis added).

REJECTIONS

The claims stand rejected as follows:

- I. Claims 1, 2, 5–9, 16, 17, and 21 under 35 U.S.C. § 103(a) as unpatentable over Choi³ and either Lee⁴ or Rossbach.⁵
- II. Claims 10–14 under 35 U.S.C. § 103(a) as unpatentable over Choi, Lee, and Wang.⁶

³ US 2007/0039959 A1, pub. Feb. 22, 2007.

⁴ US 6,745,949 B2, iss. June 8, 2004.

⁵ US 5,273,172, iss. Dec. 28, 1993.

⁶ US 5,337,918, iss. Aug. 16, 1994.

- III. Claim 15 under 35 U.S.C. § 103(a) as unpatentable over Choi, Lee, and Lin.⁷
- IV. Claims 18 and 20 under 35 U.S.C. § 103(a) as unpatentable over Choi, Lee, Rossbach, Wang, and Lin.

ANALYSIS

Rejection I

Independent claim 1 requires, *inter alia*, “an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.” Appeal Br. (Claims App. 1–2). Independent claim 21 includes a substantially identical limitation. *Id.* at (Claims App. 11).

The Examiner finds that Choi discloses drink container 10 comprising liquid container 12, which has mouthpiece portion 72 and anchor portion 182. Final Act. 2–3, 14; Ans. 3 (mailed May 12, 2014). With respect to the claim language requiring the anchor portion be “sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly,” the Examiner finds that

[i]ntended use limitations such as “sized to restrict” are given little patentable weight and *as long as the anchor portion has a size, it is capable of restricting passage* since the term “restrict” by definition means to limit and therefore examiner believes that anchor portion (182) has a size which can limit the passage of the anchor portion (182) through the through-passage (outlet 104) of the base (70) of the cap assembly.

⁷ US 5,582,320, iss. Dec. 10, 1996.

Ans. 13 (emphasis added), 14 (“[I]f the anchor portion (mount 182) has a size, then it is capable of restricting or limiting passage.”).

Among other arguments, Appellants contend that Choi describes structure 182 as “a ‘mount’ for removably or permanently coupling a straw 180, which is separate from the mouthpiece 72 of Choi and extends only from the underside of the cap into the drink container.” Appeal Br. 17–18; *see also id* at 18–19 (discussing Choi, Figs. 26, 29). Appellants argue that “Choi simply does not disclose that mount 182 . . . functionally restricts removal of a mouthpiece assembly through a through-passagage defined in the base of the cap assembly.” *Id.* at 18; Reply Br. 2–3 (filed July 11, 2014). With respect to the Examiner’s interpretation of the claim language “sized to restrict,” Appellants argue that this language is not merely “intended use,” as the Examiner alleges, but rather presents “structural features of the anchor portion” regarding its size and shape, and which “associates the physical interrelation between the anchor portion and the passage.” Reply Br. 2 (emphasis omitted). Appellants also contend that the Examiner is incorrect in finding that “anything with a size may restrict a passage . . . because something that is sized and shaped smaller than a through-passagage obviously will not restrict passage therethrough.” *Id.* at 3.

We agree with Appellants. The “sized to restrict” language of claims 1 and 21 is not a statement of intended use. To the contrary, this language positively limits the structure of the claims to a structure in which an anchor portion has a size that functionally acts to restrict, or limit, passage of the anchor portion through the claimed through-passagage. Accordingly, the Examiner’s finding that an anchor portion with *any size* is capable of

restricting passage is unreasonable. Every structure has *a size*, but not all structures are capable of performing the claimed functional requirement of restricting passage of the anchor portion through the through-passage of the base of the cap assembly. Ans. 13–14. As Appellants correctly note, for example, an anchor portion that is *smaller* than the through-passage will not function to restrict passage therethrough. Reply Br. 3.

In this case, the Examiner provides insufficient findings regarding the relative sizes of Choi’s “anchor portion” 182 and through-passage 104 from which we could find that element 182 is sized to restrict passage through opening 104. Choi does not discuss the relative sizing or the claimed functional requirement. Choi describes element 182 as an optional “mount” for securing straw 180, but does not describe its size, shape, structure, or function, including whether it restricts passage through the through-passage, in any specific way. Choi ¶¶ 72, 83, Figs. 9, 26–29. Therefore, there is no reasonable basis upon which to find that Choi’s element 182 is capable of functioning as claimed.

The Examiner’s reliance on either Lee or Rossbach does not cure the deficiency noted above. *See* Final Act. 4. Therefore, for at least these reasons, we reverse the Examiner’s rejection of claims 1 and 21 as unpatentable over Choi and either Lee or Rossbach. The Examiner’s rejection of dependent claims 2, 5–9, 16, and 17 is also reversed, as it incorporates the deficiency discussed above.

Rejection II

The Examiner rejects claims 10–14, which depend ultimately from claim 1, as unpatentable over Choi, Lee, and Wang. The Examiner’s

reliance on Wang does not cure the deficiency noted above, with respect to independent claim 1. *See* Final Act. 6–7. Therefore, for at least these reasons, we reverse the Examiner’s rejection of claims 10–14 as unpatentable over Choi, Lee, and Wang.

Rejections III and IV

Claim 15 further limits the anchor portion of claim 1 to include “a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage.” Appeal Br. (Claims App. 6). The Examiner rejects claim 15 as unpatentable over Choi, Lee, and Lin. Final Act. 7.

Claim 18 recites an anchor portion having “a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage.” Appeal Br. (Claims App. 8). The Examiner rejects independent claim 18, and its dependent claim 20, as unpatentable over Choi, Lee, Rossbach, Wang, and Lin. Final Act. 8–13.

With respect to both rejections, the Examiner finds that Choi teaches an anchor portion 182. Final Act. 2–3 (claim 1), 7 (claim 15), 9 (claim 18). The Examiner finds that Choi does not disclose a plurality of flanges on the anchor portion, and relies on Lin for such a disclosure, wherein Lin discloses a beverage dispenser with “anchor portion (51)” and “flanges (512).” *Id.* at 7 (claim 15), 12–13 (claim 18). The Examiner concludes that it would have been obvious to incorporate Lin’s flanges into Choi’s anchor portion to prevent leakage. *Id.* at 7 (claim 15), 13 (claim 18).

Appellants contend that Choi fails to disclose the claimed anchor portion, as discussed with respect to claim 1. Appeal Br. 27. Appellants further argue that Lin's flanges do not cure the defects in Choi because the lower of Lin's two flanges 512 "is disclosed as being configured to permit passage of the lower flange through the through hole 35 so that the two flanges fit on either side of the through hole." *Id.* at 28 (citing Lin, 2:65–3:4) (emphasis omitted). Therefore, Appellants contend that "the flanges 512 of Lin cannot fairly be interpreted as comprising an anchor . . . [whose] flanges 'are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly,'" as claimed. *Id.* (emphasis omitted); *see also id.* at 29–30 (discussing claim 15).

We agree with Appellants. As discussed above, Choi does not disclose an anchor portion as claimed. Lin does not remedy this defect because, although Lin teaches a plurality of flanges, Lin does not teach flanges that restrict passage of an anchor portion through a through-passage. Indeed, Lin's lower flange is expressly configured to *permit* passage through the through-passage. Lin, 2:65–3:4. Further, the Examiner's purported reasoning for incorporating Lin's flanges into Choi's structure lacks rational underpinning, as Choi does not articulate a "leakage" problem, and Lin does not associate the prevention of leakage with the inclusion of flanges. Lin, Abstract, 4:14–35.

DECISION

The Examiner's decision to reject claims 1, 2, 5–18, 20, and 21 is REVERSED.

Appeal 2014-007854
Application 13/479,962

REVERSED

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	Filing Date	May 24, 2012
	First Named Inventor	Jeff Davies
	Art Unit	3788
	Examiner Name	Robert Poon
	Attorney Docket Number	KRN 356A

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Signature /David S. D'Ascenzo/

Typed or Printed Name David S. D'Ascenzo

Date May 16, 2016 Telephone (503) 224-7529

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EFS ID:	25784332
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	78569
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	16-MAY-2016
Filing Date:	24-MAY-2012
Time Stamp:	12:44:34
Application Type:	Utility under 35 USC 111(a)

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
78569 7590 07/23/2014 DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland, OR 97205			EXAMINER POON, ROBERT	
			ART UNIT 3788	PAPER NUMBER
			MAIL DATE 07/23/2014	DELIVERY MODE PAPER

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DASCENZO INTELLECTUAL PROPERTY LAW, P.C.
1000 SW BROADWAY, SUITE 1555
PORTLAND, OR 97205

Appeal No: 2014-007854
Application: 13/479,962
Appellant: JEFF DAVIES et al.

Patent Trial and Appeal Board Docketing Notice

Application 13/479,962 was received from the Technology Center at the Board on July 14, 2014 and has been assigned Appeal No: 2014-007854.

In all future communications regarding this appeal, please include both the application number and the appeal number.

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By order of the Patent Trial and Appeal Board.

CM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Dated: July 11, 2014
Atty. Docket No.: KRN 356A

In re Application of:
CamelBak Products, LLC

Inventors : JEFF DAVIES and DEREK GAVIN SULLIVAN
Serial No. : 13/479,962 Group Art Unit: 3788
Filed : May 24, 2012 Examiner: Robert Poon
For : DRINK CONTAINERS

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REPLY BRIEF

Pursuant to 37 C.F.R. 41.41, this brief is submitted in reply to the Examiner's Answer mailed on May 12, 2014, regarding the appeal of the above-identified patent application of CamelBak Products, LLC.

The Examiner's Answer repeats, nearly verbatim, the remarks presented in the August 30, 2013 final Office action, and the Examiner's Answer does not raise any new substantive rejections. Accordingly, Appellants believe that their main brief already fully addresses the Examiner's positions presented in his Answer and distinguishes the prior art. However, in the Response to Arguments section that begins on page 13 of the Examiner's Answer, the Examiner presented new counterarguments to Appellants' arguments. Appellants therefore believe that a brief discussion of some of the Examiner's specific remarks is warranted.

I. Anchor Portion Restricts Passage.

Independent claim 1 recites “wherein the anchor portion [of the mouthpiece assembly] is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.” Independent claim 18 more specifically recites that the anchor portion has “a plurality of flanges that are sized and shaped to ... restrict passage of the anchor portion through the through-passage of the base of the cap assembly.” Independent claim 21, recites similar structure, namely, that “the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage . . . and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly.”

In page 13 of the Response to Arguments section of the Examiner’s Answer, the Examiner characterizes these limitations as “intended use limitations” and indicates that these limitations should be given little patentable weight. Appellants strongly disagree. The positive limitation of the anchor portion being “sized and shaped” (both structural features of the anchor portion) simply cannot be interpreted as a recited intended use of the anchor portion. Instead, the limitation associates the physical interrelation between the anchor portion and the passage. Accordingly, the Examiner’s counterargument is without merit and the rejections of independent claims 1, 18, and 21 remain improper and should be reversed for Appellants’ previously presented reasons.

Next, the Examiner effectively repeats the position that the structure of Choi identified with reference numeral 182 is “capable of restricting passage” because it “has a size.” Appellants have already distinguished the structure represented with reference numeral 182, as set forth beginning on page 17 of their Appeal Brief. Appellants thus will refrain from repeating verbatim their position in this Reply Brief, but Appellants would like to identify the flaw in this new

argument. The Examiner's position appears to be that anything with a size may restrict a passage. Appellants disagree with this broad conclusion, because something that is sized and shaped smaller than a through-passage obviously will not restrict passage therethrough. Appellants also disagree that this broad conclusion is relevant since it does not apply to the corresponding structure of Choi. In independent claims 1, 18, and 21, the anchor portion is positively recited as being structurally sized and shaped to restrict passage through the through-passage. In Choi, no such structure is disclosed or suggested. For these additional reasons, the rejection of independent claims 1, 18, and 21 is improper and should be reversed.

Next, beginning with the last sentence on page 13 of the Examiner's Answer, the Examiner briefly addresses Appellants' explanation that the size and shape of the anchor portion restricts removal of the mouthpiece assembly via a top side of the cap assembly, for example, by a user grasping the mouthpiece portion of the mouthpiece assembly and pulling upward away from the base. According to the Examiner, "none of these statements are recited in the present claims and appellant is arguing subject matter not being claimed." Appellants respectfully direct the Examiner's attention to the express recitation in independent claim 21 of (with emphasis):

a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and ***thus restrict removal of the mouthpiece assembly via a top side of the cap assembly.***

Moreover, Appellant believes that this same limitation is inherent in the subject matter of independent claims 1 and 18, in which the anchor portion is expressly and structurally recited as being sized and shaped to restrict passage through the through-passage. For these yet additional reasons, the Examiner's arguments are flawed, and Appellants respectfully request reversal of the rejections of independent claims 1, 18, and 21.

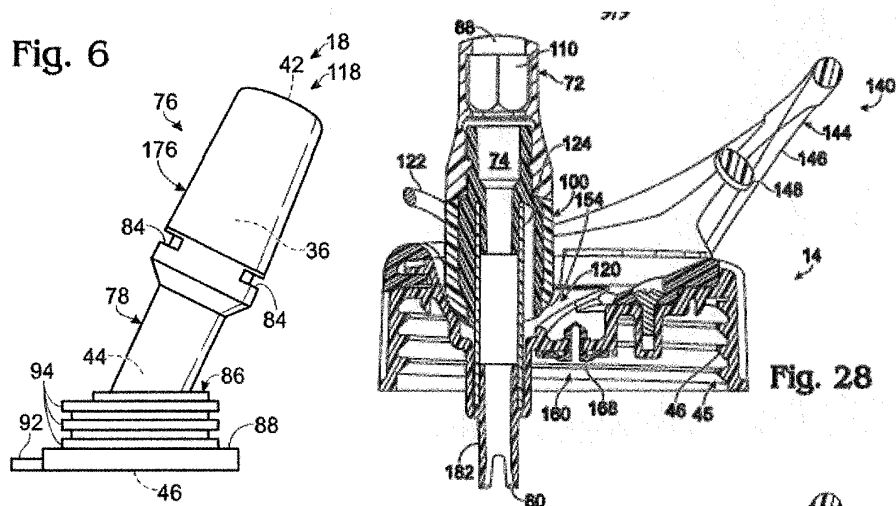
II. Anchor Portion as Part of Mouthpiece Assembly.

On page on page 14 of the Examiner's Answer, the Examiner addresses Appellants' position that the mount 182 of Choi would not be considered to be a component of a mouthpiece assembly by a person of ordinary skill in the art, such as set forth beginning at the bottom of page 17 of Appellants' main brief. According to the Examiner, "[i]t is believed that anchor portion (mount 182) can be part of the claimed mouthpiece assembly [of Choi] since the recited mouthpiece assembly does not limit which portions can or cannot be a part of the assembly. **As long as the anchor portion functions with the mouthpiece assembly, then the anchor portion can be considered a part of the mouthpiece assembly**" (emphasis in original). Appellants disagree. The Examiner's conclusion is without support in Choi and ignores the recited structure of the claims, as well as how this structure should be interpreted when read in light of the specification, as required by a hypothetical person of ordinary skill in the art when interpreting claims. The anchor portion of the mouthpiece assembly very clearly relates to structure that *anchors* the mouthpiece assembly. Moreover, the *mouthpiece* assembly is clearly an assembly that includes and/or relates directly to a *mouthpiece*. The mount 182 of Choi relates exclusively to the mounting of a straw on the inside of the corresponding liquid container, and therefore a person of ordinary skill in the art simply would not have interpreted such structure to be an anchor portion of a mouthpiece assembly. For this additional reason, the Examiner's arguments are flawed, and the rejections should be reversed.

III. Mouthpiece Assembly as a Unitary Assembly.

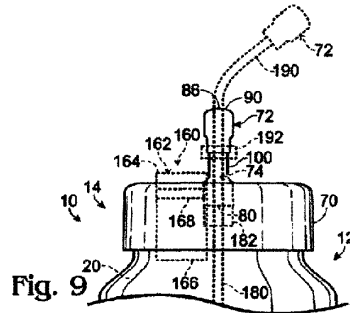
Next, beginning in the first full paragraph on page 15 of the Examiner's Answer, the Examiner for the very first time argues that Appellants' use of the limitation "unitary assembly" is distinguished from a limitation of a "unitary structure." The Examiner then argues that "as

long as the recited parts [of Choi] function together, they can be considered a unitary assembly.” Appellants strongly disagree that a person of ordinary skill in the art, in view of the whole of Appellants’ specification as well as the embodiment of a mouthpiece assembly of Fig. 6 (reproduced below at left), would interpret a collection of distinct structures of Choi (Fig. 28 of which is reproduced below at right), including a rigid mount 182, a resilient tube 124, a rigid drink spout 100, and a resilient mouthpiece 72, to define a “unitary assembly,” as recited in claims 9, 18, and 21. For this yet additional reason, the rejections of these claims are improper and should be reversed.



According to the Examiner, the rejections are not based on Fig. 28 of Choi, and instead are based on Fig. 9 of Choi (reproduced below). Regardless, Fig. 9 is schematic in nature and fails to establish that a person of ordinary skill in the art would interpret the collection of the distinct structures of the mount 182, a tube 190, a drink spout 100, and a mouthpiece 72 as a “unitary assembly,” as recited in claims 9, 18, and 21. Moreover, according to the Examiner’s interpretation of Fig. 9, “one can clearly see that tube (straw 190 which has a crimping region or bent part) is between mouthpiece portion (72) and anchor portion (182) on the cap assembly

(70).” Appellants fail to understand how this interpretation of Choi results in the subject matter of a unitary mouthpiece assembly having a mouthpiece portion, a tube portion, and an anchor portion all constructed of a resilient material, as recited in claims 9, 18, and 21. For these additional reasons, the Examiner’s arguments are flawed, and the rejections should be reversed.



IV. Conclusion.

Appellants appreciate this opportunity to address the new (counter) arguments that were presented in the Examiner’s Answer. For at least the reasons presented herein and in Appellants’ main brief, Appellants submit that the rejections at issue were improper and that all claims on appeal patentably distinguish the cited prior art. Appellants respectfully request that the Examiner’s rejections of the claims on appeal be reversed.

CERTIFICATE OF E-FILEING

I hereby certify that this correspondence is being transmitted electronically via the United States Patent and Trademark Office’s EFS-Web System on July 11, 2014.


David S. D’Ascenzo

Respectfully submitted,
DASCENZO INTELLECTUAL
PROPERTY LAW, P.C.


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Electronic Patent Application Fee Transmittal				
Application Number:		13479962		
Filing Date:		24-May-2012		
Title of Invention:		DRINK CONTAINERS		
First Named Inventor/Applicant Name:		JEFF DAVIES		
Filer:		David S. D'Ascenzo/Robin Davin		
Attorney Docket Number:		KRN 356A		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Appeal Forwarding Fee	1413	1	2000	2000
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Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				2000

Electronic Acknowledgement Receipt	
EFS ID:	19558503
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	78569
Filer:	David S. D'Ascenzo/Robin Davin
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Attorney Docket Number:	KRN 356A
Receipt Date:	11-JUL-2014
Filing Date:	24-MAY-2012
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Application Type:	Utility under 35 USC 111(a)

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Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 2000
RAM confirmation Number	2012
Deposit Account	504551
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1	Reply Brief Filed	Reply_Brief_KRN356A_7-11-14.pdf	475069	no	6
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Warnings:					
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2	Fee Worksheet (SB06)	fee-info.pdf	29977	no	2
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
78569 7590 05/16/2014 DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland, OR 97205			EXAMINER POON, ROBERT	
			ART UNIT 3788	PAPER NUMBER
			MAIL DATE 05/16/2014	DELIVERY MODE PAPER

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
13/479,962	24 May, 2012	DAVIES ET AL.	KRN 356A

DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland, OR 97205		EXAMINER	
		ROBERT POON	
		ART UNIT	PAPER
		3788	20140513

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Commissioner for Patents

IDS filed 10/22/2013 has been considered.

/Anthony Stashick/
Supervisory Patent Examiner, Art Unit 3788

/ROBERT POON/
Examiner, Art Unit 3788

PTO-90C (Rev.04-03)

Sheet 1 of 1

ZAK DESIGNS, INC. - EX1002
Zak Designs, Inc. v. CamelBak Prods., LLC
IPR2022-00803 - Page 226 of 504



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
78569 7590 05/12/2014 DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland, OR 97205			EXAMINER POON, ROBERT	
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BEFORE THE PATENT TRIAL AND APPEAL BOARD

Application Number: 13/479962
Filing Date: 5/24/2012
Appellant(s): Davies et al

David S. D'Ascenzo
For Appellant

EXAMINER'S ANSWER

This is in response to the appeal brief filed 1/7/2014.

(1) Grounds of Rejection to be Reviewed on Appeal

Every ground of rejection set forth in the Office action dated 8/30/2013 from which the appeal is taken is being maintained by the examiner except for the grounds of rejection (if any) listed under the subheading "WITHDRAWN REJECTIONS." New grounds of rejection (if any) are provided under the subheading "NEW GROUNDS OF REJECTION."

The following ground(s) of rejection are applicable to the appealed claims.

Claims 1-2, 5-9, 16-17, 21 stand rejected under 35 U.S.C. 103(a) as being unpatentable over US 2007/0039959 to Choi et al. (Choi) in view of either of US Patent No. 6,745,949 to Lee or US Patent No. 5,273,172 to Rossbach et al.

Regarding claim 1, 21, Choi discloses a drink container (10), comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein

the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§0034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region (§0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60),

with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

Regarding claim 2, the modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular,

the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

Regarding claim 5, the modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Regarding claim 6, Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Regarding claim 7, Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Regarding claim 8, Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Regarding claim 9, Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Regarding claim 16, Choi further teaches a straw (180).

Regarding claim 17, Choi does not teach an air return assembly. Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and not directly above in dispensing configuration (Fig. 1) for providing a vent

means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

Claims 10-14 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and further in view of US Patent No. 5,337,918 to Wang.

Regarding claim 10, Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw (col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30) adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

Regarding claim 11, the modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to one of ordinary skill in the art to rearrange the parts such that the collar member

engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Regarding claim 12, the collar engagement portion of the release mechanism (122) is capable of translating.

Regarding claim 13, the modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Regarding claim 14, Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

Claim 15 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and US Patent No. 5,582,320 to Lin.

Regarding claim 15, the modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses an anchor portion (51) with flanges (512). One of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

Claims 18, 20 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee, Rossbach, Wang and Lin.

Regarding claims 18, 20, Choi discloses a drink container (10),
comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§10034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion,

wherein the tube includes a crimping region (¶0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60), with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to

dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

The modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular, the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

The modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Choi further teaches a straw (180).

The modified Choi does not teach an air return assembly. Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and not directly above in dispensing configuration (Fig. 1) for providing a vent means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw

(col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30) adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

The modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to one of ordinary skill in the art to rearrange the parts such that the collar member engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Choi discloses the collar engagement portion of the release mechanism (122) is capable of translating.

The modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

The modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses

an anchor portion (51) with flanges (512). One of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

(2) Response to Arguments

The appellant first presents a set of arguments that none of the combined references teach an anchor portion sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly. Examiner respectfully disagrees because the primary reference of Choi discloses an anchor portion (mount 182, Fig 9) on a cap assembly having a base (70) and a through-passage (outlet 104 where straw 180 goes through, Choi, ¶0072). Note that claims are given their broadest reasonable interpretation and in the instant case, the claim recites in part "anchor portion **sized to restrict** passage". Intended use limitations such as "sized to restrict" are given little patentable weight and as long as the anchor portion has a size, it is capable of restricting passage since the term "restrict" by definition means to limit and therefore examiner believes that anchor portion (182) has a size which can limit the passage of the anchor portion (182) through the through-passage (outlet 104) of the base (70) of the cap assembly. In their arguments (appeal brief, pg 16, ll. 14-18, the appellant states that "the anchor portion restricts the entirety of the mouthpiece assembly from being separated from the base of the cap assembly, at least via the top side of the cap assembly". The appellant states that the size of the anchor portion of the instant invention plainly restricts removal of the whole of the mouthpiece assembly

from the top side of the cap assembly, for example, by a user grasping the mouthpiece portion and pulling upward and away from the base. However, none of these statements are recited in the present claims and appellant is arguing subject matter not being claimed. The appellant further asserts that Choi does not disclose the mount (182) integral to the mouthpiece assembly and therefore does not functionally restrict removal of the mouthpiece assembly through a through passage. However, the claims as currently presented do not require any parts to be integral. Furthermore, examiner respectfully disagrees with appellant's assertion that the mount does not functionally restrict removal of the anchor portion through the through-passage because if the anchor portion (mount 182) has a size, then it is capable of restricting or limiting passage. Appellant argues that mount (182) is integral to the base of the cap assembly and not to the mouthpiece of Choi. Appellant then makes the assertion that a person of ordinary skill in the art would not conclude that the mount (182) is an anchor portion of a mouthpiece assembly. It appears that appellant is arguing that because the anchor portion is not integral with the mouthpiece portion, then the anchor portion cannot be considered part of the mouthpiece assembly. Examiner disagrees because the claims recite a cap assembly comprising in part, a mouthpiece assembly which further comprises in part, an anchor portion. It should be noted that the term "assembly" does not imply that the different portions making up the assembly must be integral. It is believed that anchor portion (mount 182) can be part of the claimed mouthpiece assembly since the recited mouthpiece assembly does not limit which portions can or cannot be a part of the assembly. **As long as the anchor portion functions with the**

mouthpiece assembly, then the anchor portion can be considered a part of the mouthpiece assembly. Therefore, appellant's argument that the anchor portion (182) is not integral with the mouthpiece assembly is moot since the anchor portion can still be considered part of the mouthpiece **assembly** whether or not the anchor portion is integral to the rest of the assembly.

The appellant presents a second set of arguments that none of the combined references teach a unitary structure, specifically a unitary structure of a mouthpiece portion and a tube and a unitary structure of a mouthpiece portion, tube and anchor portion. Note, however, that the claims recite a unitary **assembly** rather than a unitary structure. It is believed that the case law, *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965), still applies because one of ordinary skill in the art would have found it obvious to make the recited parts an integral assembly without a wholesale redesign of the cap assembly structure as appellant asserts, because as long as the recited parts function together, they can be considered a unitary assembly.

Furthermore, Choi specifically points out that the straw or tube (190) may be permanently secured to one or both of the cap assembly or bite-actuated mouthpiece (¶0073, ll. 9-13). Since the anchor portion (mount 182) is part of the cap assembly (Choi, ¶0072, ll. 10-12), then it stands to reason that the tube, the mouthpiece and the anchor portion can be formed into a unitary assembly of resilient material without a wholesale redesign of the cap assembly, otherwise Choi would not disclose the fact that the parts may be permanently secured. Appellant appears to rely on the embodiments disclosed in Figs 28-29 of Choi for their arguments, however, the rejection

above is clearly based upon the embodiment shown in Fig 9 of Choi, hence the numerals. Furthermore, appellant argues that the claims recite a tube being between the mouthpiece portion and the anchor portion and include a crimping region, and thus concludes that the tube (190) does not apply to the recited claims (appeal brief, pg 23, ll. 6-9). However, as shown in Fig 9, one can clearly see that tube (straw 190 which has a crimping region or bent part) is between mouthpiece portion (72) and anchor portion (182) on the cap assembly (70).

Appellant further argues the rejection of dependent claim 9. As pointed out above, a unitary assembly is not necessarily a unitary structure and so long as the recited portions function together, one of ordinary skill in the art would have found it obvious to form a unitary assembly from them. Furthermore, Choi specifically points out that the straw or tube (190) may be permanently secured to one or both of the cap assembly or bite-actuated mouthpiece (§0073, ll. 9-13).

Appellant further argues the rejection of independent claim 18. Appellant asserts that the flanges of Lin are configured to permit passage rather than restrict passage of the anchor portion through the through-passage. However, as stated above, "sized and shaped to provide a friction-fit arrangement and to restrict passage" is an intended use limitation given little patentable weight and so long as the flanges have a size, then they are capable of performing the recited function of providing a friction-fit and restricting passage since the term "restrict" by definition means to limit and therefore examiner believes that flanges of Lin have a size and shape which can limit the passage of the anchor portion (182) through the through-passage (outlet 104) of the base (70) of the

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cap assembly. Appellant's argument for unitary structure of claim 18 is similar to that of the argument for unitary structure of claims 1, 21 and therefore the same counter arguments for unitary structure of claims 1, 21 apply to appellant's argument of claim 18.

Appellant further argues the rejection of dependent claim 15, the arguments analogous to that of claim 18. As stated above, "sized and shaped to provide a friction-fit arrangement and to restrict passage" is an intended use limitation given little patentable weight and so long as the flanges have a size, then they are capable of performing the recited function of providing a friction-fit and restricting passage since the term "restrict" by definition means to limit and therefore examiner believes that flanges of Lin have a size and shape which can limit the passage of the anchor portion (182) through the through-passage (outlet 104) of the base (70) of the cap assembly.

For the above reasons, it is believed that the rejections should be sustained.

Respectfully submitted,

/ROBERT POON/
Examiner, Art Unit 3788

Conferees:

/Anthony Stashick/
Supervisory Patent Examiner, Art Unit 3788

/MICKEY YU/
Supervisory Patent Examiner, Art Unit 3728

Requirement to pay appeal forwarding fee. In order to avoid dismissal of the instant appeal in any application or ex parte reexamination proceeding, 37 CFR 41.45 requires payment of an appeal forwarding fee within the time permitted by 37 CFR 41.45(a), unless appellant had timely paid the fee for filing a brief required by 37 CFR 41.20(b) in effect on March 18, 2013.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Dated: January 7, 2014
Atty. Docket No.: KRN 356A

In re Application of:
CamelBak Products, LLC

Inventors : JEFF DAVIES and DEREK GAVIN SULLIVAN
Serial No. : 13/479,962 Group Art Unit: 3788
Filed : May 24, 2012 Examiner: Robert Poon
For : DRINK CONTAINERS

Mail Stop Appeal Brief - Patents
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

APPEAL BRIEF

This is an appeal from the final Office action mailed on August 30, 2013.

REAL PARTY IN INTEREST

CamelBak Products, LLC, a Delaware limited liability company having its principal place of business in Petaluma, California, is the Assignee of the present application and is the real party in interest.

RELATED APPEALS AND INTERFERENCES

None.

STATUS OF THE CLAIMS

Appellant briefly notes that the Office Action Summary page of the final Office action indicates that only claims 1–2, 5–18, and 20–21 are pending. However, all of claims 1–21 remain pending in the application, with claims 3–4 and 19 being indicated to include allowable subject matter and objected to solely for depending from a rejected independent claim.

Appellant is appealing the rejections of claims 1–2, 5–18, and 20–21.

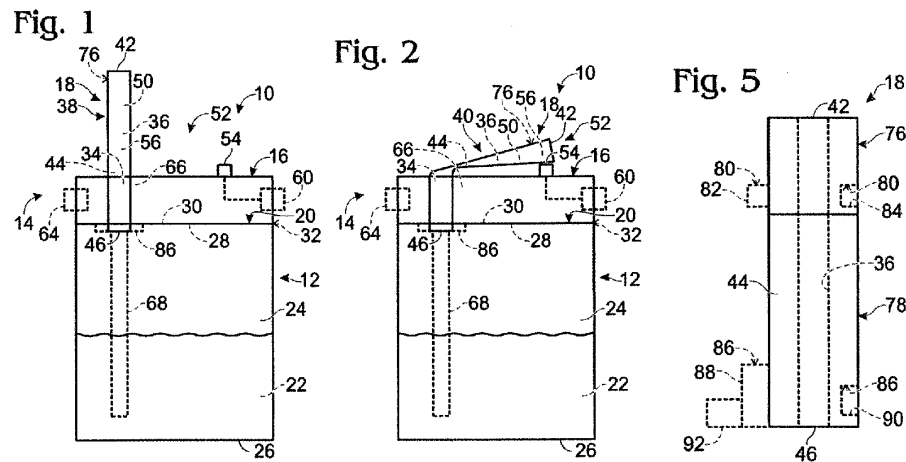
SUMMARY OF THE CLAIMED SUBJECT MATTER

The claims on appeal are directed generally to drink containers with mouthpiece assemblies having dispensing and stowed configurations and that are biased to the dispensing configurations. By way of example only, CamelBak Products' commercial version of its EDDY™ Kids bottle, depicted below, is an example of a drink container according to the present application. In this example, the stowed configuration is depicted in the lower right image, and to release the mouthpiece assembly from the stowed configuration, a user simply pushes or pulls on the thumb engagement pad to release a pair of mated catches. Upon release of the catches, the internal bias of the resilient mouthpiece assembly straightens the mouthpiece assembly to its dispensing configuration, which is depicted in the left and upper right images. The present application also discloses similar drink containers that include a push-button beneath the handle for releasing the mouthpiece assembly from its stowed configuration to its dispensing configuration.



Independent Claim 1

With reference to the schematic representations of drink containers and mouthpiece assemblies according to the present application in Figs. 1–2 and 5 (reproduced below for the Board’s convenience), a drink container 10 according to independent claim 1 includes a liquid container 12 and a cap assembly 14. [Spec., p. 5, lines 7–9.]



The liquid container 12 has an open neck 20 and an internal compartment 24 sized to hold a volume of potable drink liquid 22. [*Id.* at p. 5, lines 10–15.] The cap assembly 14 is removably coupled to the liquid container 12 [*id.* at p. 7, lines 13–15] and includes a base 16 [*id.* at p. 8, line 1], a first catch structure 54 [*id.* at p. 12, line 13], a mouthpiece assembly 18 [*id.* at p. 8, lines 1–2], and a user release mechanism 60 [*id.* at p. 12, lines 21–23].

According to independent claim 1, the base is removably coupled to the neck of the liquid container [*id.* at p. 8, lines 5–8] and includes a through-passage 34 [*id.* at p. 9, line 1]. Moreover, the mouthpiece assembly extends through the through-passage of the base and defines a liquid passage 36 through which drink liquid from the liquid container may selectively flow. [*Id.* at p. 9, lines 1–8.]

The mouthpiece assembly 18, which is schematically represented in Fig. 5 above, also defines an inlet 46 through which drink liquid in the internal compartment may enter the liquid passage 36 and an outlet 42 through which drink liquid from the internal compartment of the liquid container is selectively dispensed. [*Id.* at p. 9, lines 8–11.] According to independent claim 1, the mouthpiece assembly is configured to be selectively configured between a dispensing configuration 38 (Fig. 1), in which the liquid passage permits liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration 40 (Fig. 2), in which the liquid passage restricts the flow of drink liquid through the liquid passage. [*Id.* at p. 9, lines 12–17.] Moreover, the mouthpiece assembly is biased to the dispensing configuration. [*Id.* at p. 11, lines 11–13.]

The mouthpiece assembly 18 includes a mouthpiece portion 76 that includes the outlet 42 [*id.* at p. 17, lines 1–5], a tube 78 [*id.*], an anchor portion 86 [*id.* at p. 19, lines 7–9], and a second catch structure 56 [*id.* at p. 12, lines 13–14].

According to independent claim 1, the tube 78 defines at least a portion of the liquid passage 36 for drink liquid to flow from the internal compartment 24 to the mouthpiece portion 76 and includes a crimping region 44 constructed of a resiliently deformable material. [*Id.* at p. 18, lines 18–22.] Moreover, the tube is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. [*Id.*] According to independent claim 1, the mouthpiece portion 76 and the tube 78 of the mouthpiece assembly are constructed as a unitary assembly of the resiliently deformable material. [*Id.* at p. 32, lines 10–12.]

The anchor portion 86 of independent claim 1 extends from the tube 78 distal the mouthpiece portion, and the anchor portion is sized to restrict passage of the anchor portion through the through-passage 34 of the base 16 of the cap assembly 14. [*Id.* at p. 19, lines 10–12.]

The second catch structure 56 of independent claim 1 is adapted to be selectively engaged with the first catch structure 54 to retain the mouthpiece assembly in the stowed configuration 40. [*Id.* at p. 12, lines 17–20.]

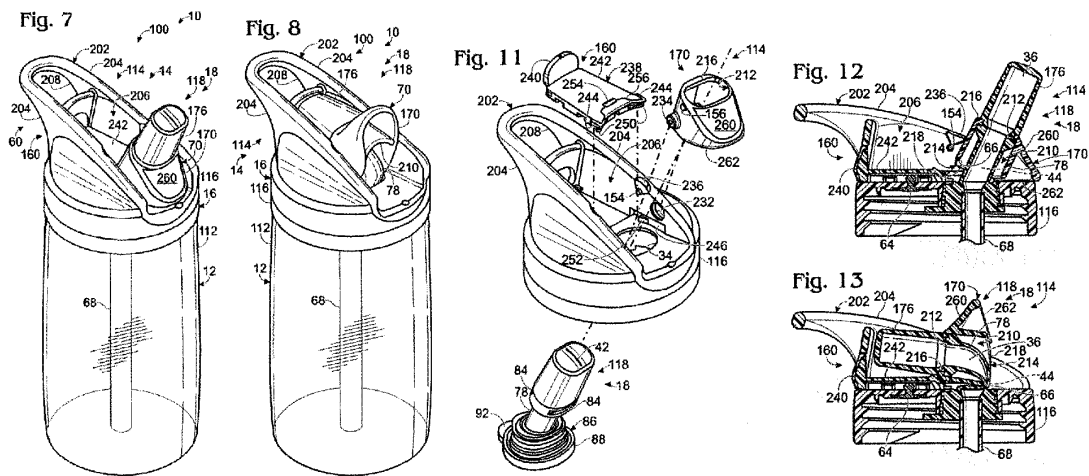
The user release mechanism 60 is adapted to automatically disengage the first and second catch structures 54, 56 upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration 40 to the dispensing configuration 38. [*Id.* at p. 12, line 21 – p. 13, line 4]. While the user release mechanism is schematically illustrated in Figs. 1–2, above, as being coupled to the base of the cap assembly, the present disclosure expressly discloses that a user release mechanism may be part of, integral to, or otherwise disposed on, the mouthpiece assembly or the liquid container. [*Id.* at p. 13, lines 9–12.]

Independent Claim 18

Independent claim 18 recites subject matter similar to that of independent claim 1, as well as some additional subject matter. Appellant recognizes that the following description of independent claim 18 is therefore somewhat repetitious of the description above; however, with respect to independent claim 18, Appellant specifically notes that independent claim 18 also recites that the mouthpiece assembly includes a rigid collar portion that includes the second catch structure, that the mouthpiece portion includes a seat that engages the rigid collar portion and that restricts relative movement between the mouthpiece portion and the rigid collar portion, that

the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly, and that the cap assembly includes a handle, a pair of lateral guards, and an air return assembly.

With reference to the illustrative, non-exclusive embodiment of Figs. 6–13 (Figs. 7–8 and 11–13 of which are reproduced below for the Board’s convenience), a drink container 10 according to independent claim 1 includes a liquid container 12 and a cap assembly 14. [Spec., p. 5, lines 7–9.]



The liquid container 12 has an open neck 20 and an internal compartment 24 sized to hold a volume of potable drink liquid 22. [*Id.* at p. 5, lines 10–15.] The cap assembly 14 is removably coupled to the liquid container 12 [*id.* at p. 7, lines 13–15] and includes a base 16 [*id.* at p. 8, line 1], a first catch structure 54 [*id.* at p. 12, line 13], a mouthpiece assembly 18 [*id.* at p. 8, lines 1–2], a handle 202 that projects away from the base [*id.* at p. 22, lines 21–23], a pair of lateral guards 204 [*id.*], a user release mechanism 60 [*id.* at p. 12, lines 21–23], and an air return assembly 64 [*id.* at p. 13, lines 14–15].

According to independent claim 18, the base is removably coupled to the neck of the liquid container [*id.* at p. 8, lines 5–8] and includes a through-passage 34 [*id.* at p. 9, line 1]. Moreover, the mouthpiece assembly extends through the through-passage of the base and defines a liquid passage 36 through which drink liquid from the liquid container may selectively flow. [*Id.* at p. 9, lines 1–8.]

The mouthpiece assembly 18 also defines an inlet through which drink liquid in the internal compartment may enter the liquid passage 36 and an outlet 42 through which drink liquid from the internal compartment of the liquid container is selectively dispensed. [*Id.* at p. 9, lines 8–11.] According to independent claim 18, the mouthpiece assembly is configured to be selectively configured between a dispensing configuration 38 (Figs. 7 and 12), in which the liquid passage permits liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration 40 (Figs. 8 and 13), in which the liquid passage restricts the flow of drink liquid through the liquid passage. [*Id.* at p. 9, lines 12–17.] Moreover, the mouthpiece assembly is biased to the dispensing configuration. [*Id.* at p. 11, lines 11–13.]

The mouthpiece assembly 18 includes a mouthpiece portion 76 that includes the outlet 42 [*id.* at p. 17, lines 1–5], a tube 78 [*id.*], an anchor portion 86 [*id.* at p. 19, lines 7–9], and a rigid collar member 70 [*id.* at p. 15, lines 9–10].

According to independent claim 18, the mouthpiece portion 76 permits a user to draw liquid from the drink container when the mouthpiece assembly is in the dispensing configuration. [*Id.* at p. 17, lines 3–5.] Moreover, the mouthpiece portion includes a seat, such as defined by a channel or depression 84. [*Id.* at p. 18, lines 8–11.]

According to independent claim 18, the tube 78 defines at least a portion of the liquid passage 36 for drink liquid to flow from the internal compartment 24 to the mouthpiece portion

76 and includes a crimping region 44 constructed of a resiliently deformable material. [*Id.* at p. 18, lines 18–22.] Moreover, the tube is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. [*Id.*] Also, the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration. [*Id.* at p. 32, lines 8–9.]

The anchor portion 86 of independent claim 18 extends from the tube 78 distal the mouthpiece portion and includes a plurality of flanges 88, 94 that are sized and shaped to provide a friction-fit arrangement with the through-passage 34 and to restrict passage of the anchor portion through the through-passage of the base 16 of the cap assembly 14. [*Id.* at p. 19, lines 10–12 and p. 21, lines 15–19.]

According to independent claim 18, the mouthpiece portion 76, the tube 78, and the anchor portion 86 of the mouthpiece assembly are constructed as a unitary assembly of the resiliently deformable material. [*Id.* at p. 22, lines 1–3.]

The rigid collar member 70 is pivotally coupled to the base 16. [*Id.* at p. 15, lines 14–15.] Moreover, the rigid collar member includes a crimping portion 66 that is adjacent to the crimping region 44 of the tube 78 and external of the liquid passage 36. [*Id.* at p. 14, lines 5–11 and p. 15, line 19 – p. 16, line 6.] The rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. [*Id.*] The rigid collar member also includes a second catch structure 56 [*id.* at p. 16, lines 8–10] that is adapted to be selectively engaged with the first catch structure 54 to retain the mouthpiece assembly in the stowed configuration [*id.* at p. 12, lines 17–20].

The rigid collar member 70 also engages the seat of the mouthpiece portion and restricts relative movement between the mouthpiece portion and the rigid collar member. [*Id.* at p. 18,

lines 11–14.] The rigid collar member also includes a stop surface 262 that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion. [*Id.* at p. 28, lines 3–8.]

According to independent claim 18, the pair of lateral guards 204 at least partially define a stowing region 206 that receives at least a portion of the mouthpiece assembly 18 between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration. [*Id.* at p. 22, line 23 – p. 23, line 3.]

The user release mechanism 60 is adapted to automatically disengage the first and second catch structures 54, 56 upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration 40 to the dispensing configuration 38. [*Id.* at p. 12, line 21 – p. 13, line 4]. According to independent claim 18, the user release mechanism includes a collar engagement portion 254 that is adapted to engage the rigid collar member 70. [*Id.* at p. 26, lines 20–23.] Moreover, when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly. [*Id.* at p. 27, lines 1–9.]

The air return assembly 64 is adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly. [*Id.* at p. 13, lines 14–18.] According to independent claim 18, the mouthpiece portion 76 is positioned directly above the air return assembly 64 when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the

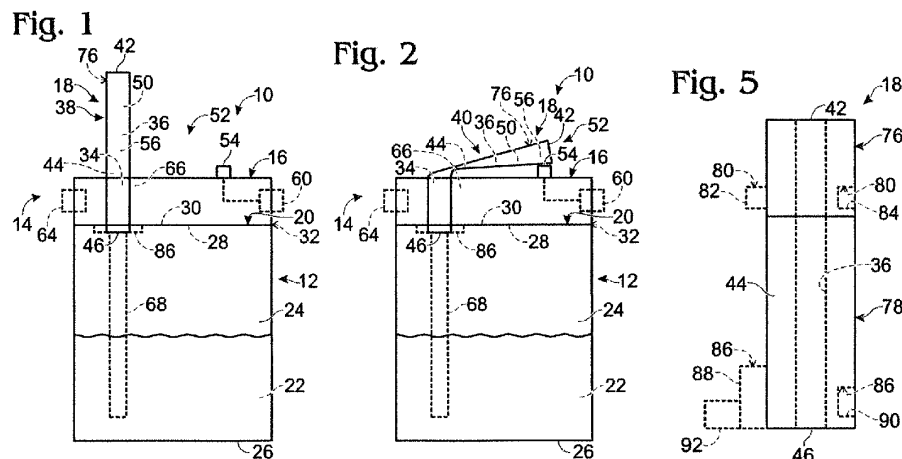
air return assembly when the mouthpiece assembly is in the dispensing configuration.

[Figs. 12–13.]

Independent Claim 21

Independent claim 21 also recites subject matter similar to that of independent claim 1, in addition to some subject matter that is not recited in claim 1. Appellant recognizes that the following description of independent claim 21 thus is somewhat repetitious of the description above. That said, with respect to independent claim 21, Appellant specifically notes that independent claim 21 also recites that the mouthpiece assembly includes a resilient mouthpiece portion, a resilient tube, and a resilient anchor portion that are constructed as a unitary assembly.

With reference to the schematic representations of drink containers and mouthpiece assemblies according to the present application in Figs. 1–2 and 5 (reproduced again below for the Board’s convenience), a drink container 10 according to independent claim 21 includes a liquid container 12 and a cap assembly 14 that is removably coupled to the liquid container. [Spec., p. 5, lines 7–9 and p. 7, lines 13–15.]



According to independent claim 21, the cap assembly includes a base 16 that defines a through-passage 34 [*id.* at p. 8, line 1 and p. 9, line 1], a mouthpiece assembly 18 that extends through the through-passage of the base and that defines a liquid passage 36 [*id.* at p. 8, lines 1–2 and p. 9, lines 1–8], and a user release mechanism 60 [*id.* at p. 12, lines 21–23].

The mouthpiece assembly 18 has a dispensing configuration 38 (Fig. 1) and a stowed configuration 40 (Fig. 2). Moreover, the mouthpiece assembly is biased to the dispensing configuration.

According to independent claim 21, the mouthpiece assembly includes a resilient mouthpiece portion 76 [*id.* at p. 17, lines 1–5], resilient tube 78 [*id.*], and a resilient anchor portion 86 [*id.* at p. 19, lines 7–9] constructed as a unitary assembly [*id.* at p. 22, lines 1–3].

The resilient mouthpiece portion 76 permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration. [*Id.* at p. 17, lines 3–10.]

The resilient tube 78 is connected to the mouthpiece portion 76 and includes a crimping region 44 that is adapted to restrict flow of drink liquid through the mouthpiece assembly when the mouthpiece assembly is in the stowed configuration. [*Id.* at p. 18, lines 18–22.]

The resilient anchor portion 86 extends from the resilient tube 78 opposite the resilient mouthpiece portion and is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly. [*Id.* at p. 19, lines 10–12 and 20–23.]

According to independent claim 21, the user release mechanism 60 is adapted to automatically release the mouthpiece assembly from the stowed configuration to the dispensing configuration via the bias of the mouthpiece assembly. [*Id.* at p. 12, line 21 – p. 13, line 4.]

While the user release mechanism is schematically illustrated in Figs. 1–2, above, as being coupled to the base of the cap assembly, the present disclosure expressly discloses that a user release mechanism may be part of, integral to, or otherwise disposed on, the mouthpiece assembly or the liquid container. [*Id.* at p. 13, lines 9–12.]

ARGUMENT

In the final Office action, claims 1–2, 5–9, 16–17, and 21 were rejected as being obvious over a proposed combination of U.S. Patent Application Publication No. 2007/0039959 to Choi et al. (“Choi”) and either U.S. Patent No. 6,745,949 to Lee (“Lee”) or U.S. Patent No. 5,273,172 to Rossbach et al. (“Rossbach”). Claims 10–14 were rejected as being obvious over a proposed combination of Choi, Lee, and U.S. Patent No. 5,337,918 to Wang (“Wang”). Claim 15 was rejected as being obvious over a proposed combination of Choi, Lee, and U.S. Patent No. 5,582,320 to Lin (“Lin”). Claims 18 and 20 were rejected as being obvious over a proposed combination of Choi, Lee, Rossbach, Wang, and Lin. [*See generally* Final Office Action mailed on August 30, 2013 (“FOA”), pp. 2–13.]

As indicated, all three of independent claims 1, 18, and 21 stand rejected as being obvious over one or more modifications of Choi. Independent claims 1 and 21 stand rejected based on a proposed combination of Choi and Lee or on a proposed combination of Choi and Rossbach, and independent claim 18 stands rejected based on a proposed combination of Choi, Lee, Rossbach, Wang, and Lin.

I. Independent Claims 1 and 21.

The rejections of independent claims 1 and 21 are improper at least because none of Choi, Lee, and Rossbach discloses, teaches, or even suggests—and a person of ordinary skill in the art would not have been motivated to modify a combination of Choi and Lee and/or Choi and Rossbach to arrive at—at least the following subject matter of independent claims 1 and 21 (with emphasis):

(claim 1) *wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material; [and] an anchor portion extending from the tube distal the mouthpiece portion, *wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly*;*

(claim 21) *a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, *wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly, and wherein the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly.**

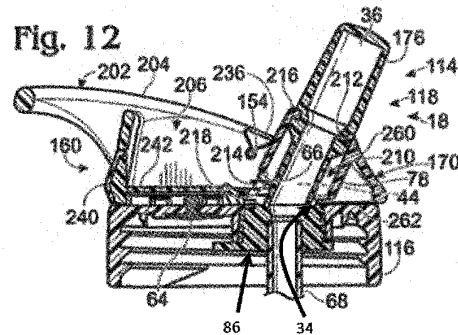
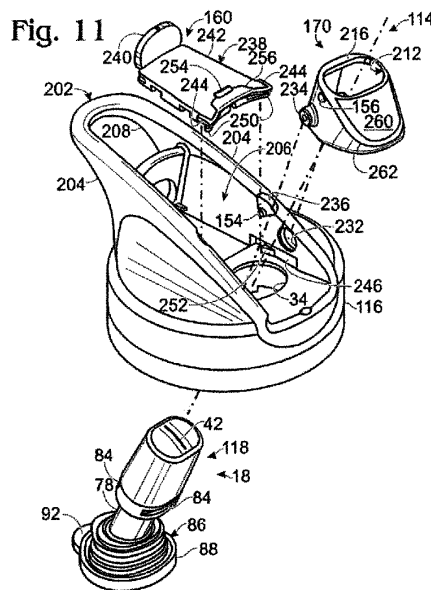
As emphasized above, both of independent claims 1 and 21 recite an “anchor portion” that restricts passage of the anchor portion through the through-passage, and thus that restricts removal of the mouthpiece assembly via a top side of the cap assembly. Independent claim 21 expressly recites the limitation of “thus restrict removal of the mouthpiece assembly via a top side of the cap assembly,” whereas, independent claim 1 inherently includes this limitation as a result of reciting that “the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.” Moreover, both of independent claims 1 and 21 recite a “unitary assembly” constructed from at least the mouthpiece portion and the tube. Independent claim 21 also recites that the unitary assembly is further constructed from the anchor portion, whereas, independent claim 1 does not include this limitation.

In rejecting independent claims 1 and 21 over the proposed combination of Choi and Lee or the proposed combination of Choi and Rossbach, the Examiner relied exclusively on Choi for the subject matter of the recited “anchor portion.” [FOA, p. 3.] Moreover, the Examiner relied on Choi for the subject matter of a unitary assembly of the mouthpiece portion and the tube, arguing that “it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [*Id.*] The Examiner failed to address the subject matter of

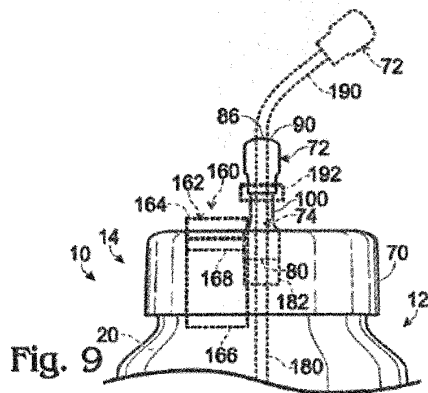
independent claim 21, which expressly recites that all three of “the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly.” For this reason alone, the Examiner failed to make a prima facie case of obviousness with respect to independent claim 21. Regardless, Appellant establishes below that neither a proposed combination of Choi and Lee nor a proposed combination of Choi and Rossbach result in this subject matter of independent claim 21.

A. Anchor Portion.

With reference to the illustrative, non-exclusive example of a cap assembly 114, including a mouthpiece assembly 118, according to the present application illustrated in Figs. 11–12 (reproduced below for the Board’s convenience, and with Fig. 12 annotated to include reference numerals 34 and 86), it is seen that the example mouthpiece assembly 118 includes an anchor portion 86 that is sized to restrict passage of the anchor portion through the through-passage 34 of the base 116. The size of the anchor portion 86 relative to the through-passage 34 is perhaps best seen in Fig. 12 and plainly restricts removal of the whole of the mouthpiece assembly 118 from the top side of the cap assembly, for example, by a user grasping the mouthpiece portion 176 and pulling upward and away from the base. That is, the anchor portion restricts the entirety of the mouthpiece assembly 118 from being separated from the base 116 of the cap assembly, at least via the top side of the cap assembly. The example of Figs. 11–12 is provided solely for illustrative purposes, and other configurations of mouthpiece assemblies and anchor portions thereof are within the scope of the present application.



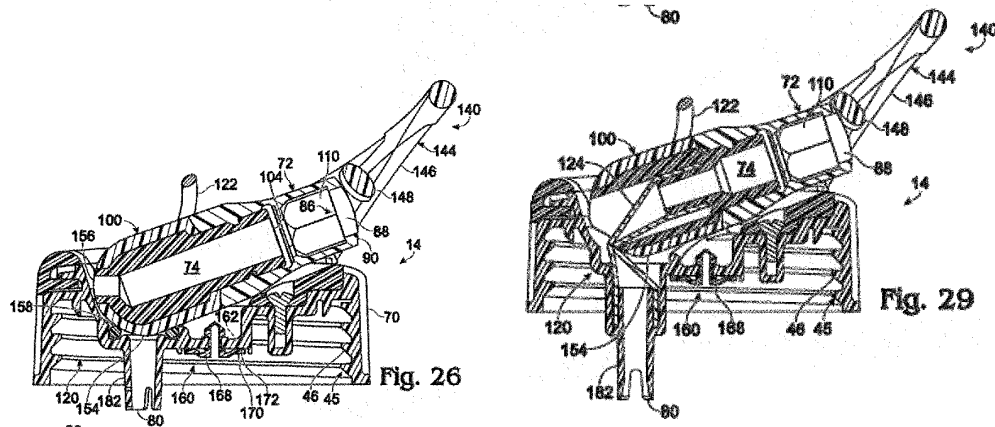
The Examiner, without a detailed explanation, cited to the structure indicated at 182 in Fig. 9 of Choi for the anchor portion of both of independent claims 1 and 21. [FOA, p. 3.] Fig. 9 of Choi is reproduced below for the Board's convenience.



Appellant disagrees with the Examiner's interpretation of Choi, and in fact, this interpretation is contrary to the express disclosure of Choi. The present application and Choi are co-owned by Appellant, and Appellant's counsel is intimately familiar with the subject matter of Choi. As expressly recited in Choi in paragraph [0072], the structure identified at 182 is

described as a “mount” for removably or permanently coupling a straw 180, which is separate from the mouthpiece 72 of Choi and extends only from the underside of the cap into the drink container. Choi simply does not disclose that mount 182 may be integral to a mouthpiece assembly, let alone that mount 182 is integral to the mouthpiece assembly and functionally restricts removal of a mouthpiece assembly through a through-passage defined in the base of the cap assembly.

Examples of mounts 182 are illustrated in Figs. 26–29 of Choi (Figs. 26 and 29 of which are reproduced below), and as seen, the mount 182 is integral to the base of the cap assembly and not to the mouthpiece of Choi. As is clearly evident, mount 182 is not even directly attached to the mouthpiece 72 or drink spout 100 of the mouthpiece assembly of Choi. It follows then that there simply is no support for the proposed construction of mount 182 that is relied upon to support the rejections of independent claims 1 and 21.

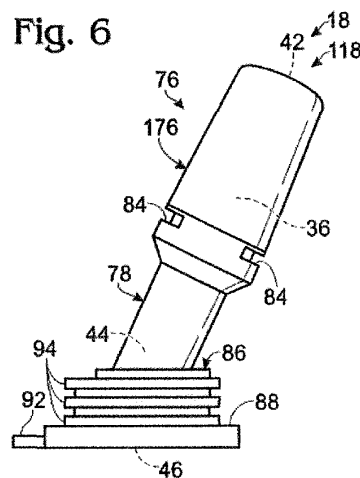


Accordingly, a person of ordinary skill in the art, when presented with Choi, would not conclude that the mount 182 of Choi in any way is an anchor portion of a mouthpiece assembly, as recited in independent claims 1 and 21. Moreover, such a person would be even less likely (or reasonable) to conclude that the mount not only is such an anchor portion of a mouthpiece

assembly but also is sized to restrict passage of the anchor portion through a through-passage defined by the base of the associated cap assembly, as recited in independent claims 1 and 21. For at least these reasons, the rejections of independent claims 1 and 21 are improper and should be reversed, together with the rejections of the claims that depend from independent claim 1, namely, claims 2–3 and 5–17.

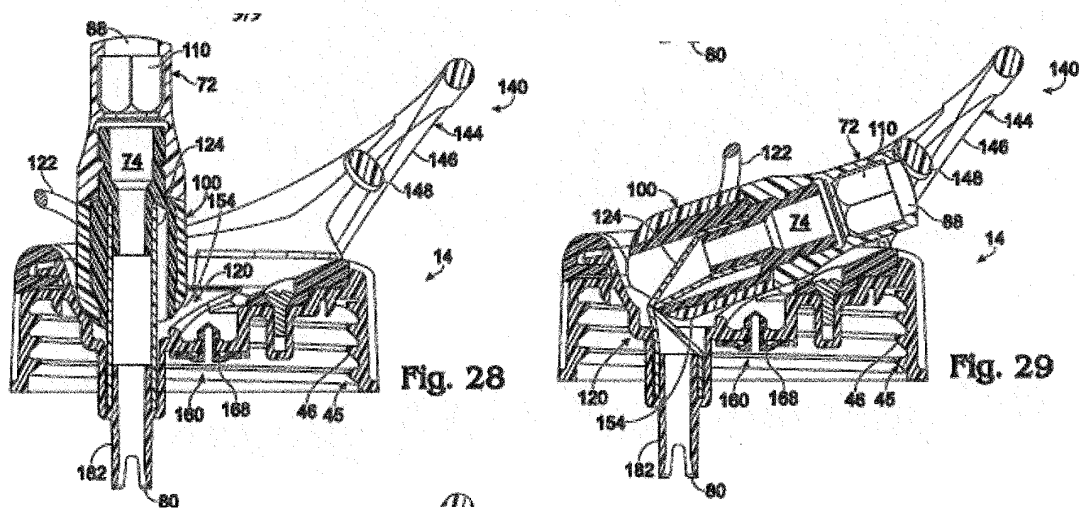
B. Unitary Structure.

As mentioned above, independent claim 1 recites that the mouthpiece portion and the tube of the mouthpiece assembly are constructed as a unitary structure. Independent claim 21 recites that all three of the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion of the mouthpiece assembly are constructed as a unitary structure. An illustrative, non-exclusive example of this subject matter is illustrated in the example of Fig. 6 (reproduced below for the Board's convenience), with the illustrated mouthpiece assembly 118 including a mouthpiece portion 76, a tube 78, and an anchor portion 86 constructed as a unitary assembly.



To reject independent claims 1 and 21, the Examiner acknowledged that this subject matter is not disclosed in the cited prior art but summarily argued that “it would have been

obvious to one of ordinary skill in the art to make the two pieces [(mouthpiece portion and tube of Choi)] integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [FOA, p. 3 (citing to *In re Larson*, 340 F.2d 965, 968 (CCPA 1965).] The Examiner is not clear, but presumably, with reference to the example embodiment of Figs. 28 and 29 of Choi (reproduced below), it is the Examiner’s position that it would have been obvious to construct the mouthpiece 72 and the tube 124 as a unitary structure. In connection with independent claim 21, presumably it is the Examiner’s position that it also would have been obvious to construct the mouthpiece 72, the tube 124, *and* the mount 182 as a unitary structure, since the Examiner equates the mount 182 to the resilient anchor portion of independent claim 21, as discussed above. These conclusions are flawed.



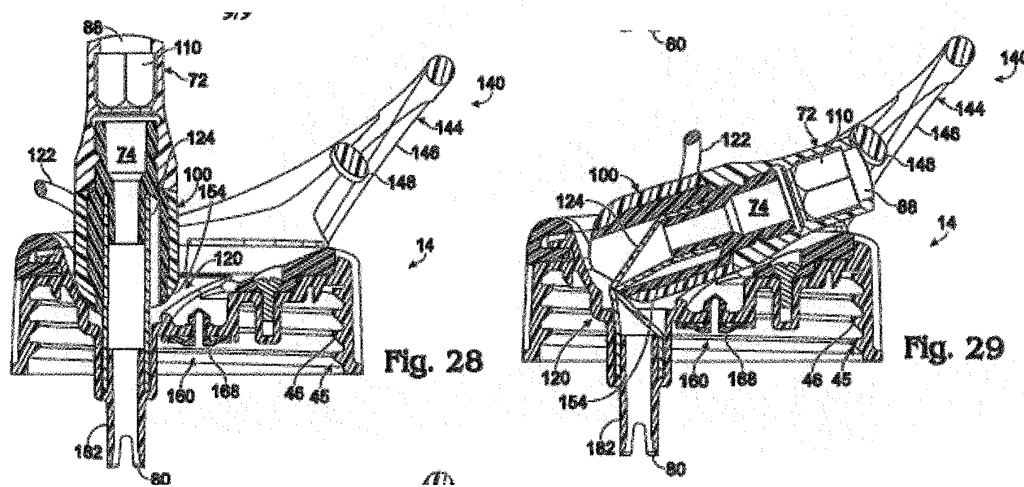
As seen above, the resilient mouthpiece 72 of Choi is mounted directly to a rigid drink spout 100 that is distinct from the mouthpiece. Therefore, with reference to the Figures above, to arrive at the proposed modification, the rigid drink spout 100 would have to be removed so that the mouthpiece 72 is directly in engagement with the resilient tube 124, or all three of the mouthpiece 72, the drink spout 100, and the tube 124 would have to be constructed as a unitary

structure from a resilient material. In short, the proposed modification, summarily identified as an obvious engineering choice, would require a wholesale redesign of the structures of the cap assemblies disclosed in Choi and can only be based on a hindsight reconstruction utilizing Appellant's disclosure as a guide.

A person of ordinary skill in the art would not have been motivated to make such a modification, because such a modification would destroy the purpose of the drink spout 100. The drink spout of Choi provides a rigid structure for pivotal movement of the drink spout and the mouthpiece relative to the base of the cap assembly. Moreover, in the example of Figs. 28 and 29, the rigid drink spout provides structure for crimping the tube 124 when the drink spout is in the stowed configuration of Fig. 29. By constructing the drink spout of a resilient material, together with the tube and the mouthpiece, the drink spout would not function as intended (i.e., would not crimp the tube when positioned in its stowed configuration of Fig. 29), and thus the functionality of this embodiment of Choi would be destroyed. Stated differently, Choi expressly teaches away from making the proposed modification to the embodiment of Figs. 28 and 29, because Choi expressly teaches that the drink spout is needed to crimp the flexible tube. Furthermore, the mouthpiece of Choi is a resilient mouthpiece that is removably coupled to the drink spout, such as for cleaning and/or replacement. Accordingly, making the mouthpiece integral with the spout and tube would destroy the functionality of permitting removal for cleaning and/or replacement of the mouthpiece. For at least these additional reasons, the rejections of independent claims 1 and 21 are improper and should be reversed, together with the rejections of dependent claims 2 and 5–17.

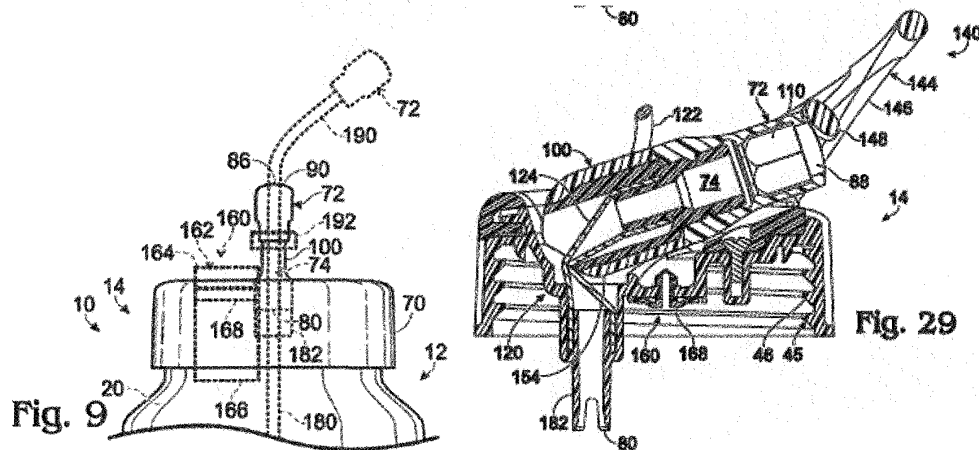
Moreover, when considering the subject matter of independent claim 21, a person of ordinary skill in the art would have had to have been motivated to also include the mount 182 of

Choi as part of the resilient unitary structure together with the mouthpiece portion and the tube, again, because the Examiner equated the mount of Choi to the resilient anchor portion of independent claim 21. Such a proposed modification would require a wholesale redesign of the cap assemblies of Choi and cannot be characterized as an obvious design choice. With reference again to Figs. 28 and 29 of Choi, below, the mount 182 is integral with the rigid base of the cap assembly.



As discussed above, the mount 182 is solely provided for the purpose of mounting a straw thereto within the associated liquid container. A person of ordinary skill in the art would not have been motivated to completely redesign the cap assembly so that the mount 182 is separate and apart from the rest of the base of the cap assembly, and then to construct it of a resilient material as a unitary structure together with the tube 124 and the mouthpiece 72. Constructing the mount of a flexible and resilient material would result in a mount that is not able to be inserted, or at least easily inserted, into the end of a corresponding straw, which is the sole purpose of the disclosed mount. Such a wholesale redesign cannot fairly be considered an obvious engineering design choice, and for these additional reasons, the rejection of independent claim 21 is improper and should be reversed.

In the Response to Arguments section of the final Office action, the Examiner first argued that “Choi discloses that it is within the scope of the disclosure that the tube may be integrated with the bite-actuated mouthpiece (§0073, ll. 1 – 15).” [FOA, p. 13.] However, with reference to Fig. 9 of Choi (reproduced again below, at left), the passage of Choi cited by the Examiner relates to the optional integration of the mouthpiece 72 with the external straw structure 190, which Choi also optionally describes as a tube. However, this optional external straw structure, or tube, 190 cannot be equated to the recited tube at issue in independent claims 1 and 18, since the tube is expressly recited as being between the mouthpiece portion and the anchor portion and as including a crimping region. With reference again to the embodiment of Fig. 29 (below, at right), the flexible tube 124, which admittedly does include a crimping region, is very clearly not integral with the mouthpiece 72, let alone an anchor portion, as recited in independent claim 21. For these reasons, the Examiner’s counterarguments are flawed.



Also in the Response to Arguments section, the Examiner argued that “Choi discloses that the tube (180) may be permanently coupled to the corresponding mount (182) (§0072, ll. 1 – 15).” [FOA, p. 13.] This counterargument also is flawed, because the structure identified with reference numeral 180 in Choi is a straw that extends into the internal compartment of the

corresponding liquid container, as illustrated in Fig. 9 (above, at left). In contrast, the subject matter at issue here is a tube that is an integral part of a mouthpiece assembly, together with and positioned between a corresponding mouthpiece portion and anchor portion. In the embodiment of Choi presumably relied upon for the subject matter of a resilient tube, the structure at 124 is distinct from any corresponding straw 180 that may be inserted over the mount 182, as seen in Fig. 29, above, at right.

In other words, the Examiner's arguments in the Response to Arguments section seem to change which structure of Choi the Examiner relies upon for the recited tube and resilient tube of independent claims 1 and 21, respectively. Moreover, even if the rejections were intended to be based on the disclosed straw 180 for disclosure of the tube and resilient tube of independent claims 1 and 21, such a position would not result in the subject matter of independent claims 1 and 21. Specifically, both of these independent claims expressly recite that the mouthpiece assembly includes, in order, a mouthpiece portion, a tube, and an anchor, that is, with the tube being positioned between the mouthpiece portion and the anchor. Accordingly, for these additional reasons, the Examiner's counterarguments are flawed.

In the Response to Arguments section, with respect to Choi, the Examiner further stated that "(190) and (180) are part of the same structure which is the straw or tube. If Choi discloses that (190) and mouthpiece (72) can be integral and further discloses that mount (182) can be integral with (180), then one of ordinary skill would find it obvious that the entire assembly can be a unitary assembly." [FOA, p. 13.] Appellant disagrees with this conclusion as well. First, the structures identified with reference numerals 180 and 190 in Choi are not part of the same structure, despite the Examiner's assertion that they are. Instead, straw 180 "extends from the cap assembly into the fluid container" and is "coupled to a corresponding mount 182 on the cap

assembly, such as at or proximate the inlet 80 of fluid conduit 74,” whereas element 190 is an elongate external straw structure “that fluidly interconnect[s] the bite-actuated mouthpiece with mount [or drink spout] 100.” [See Choi ¶¶0072, 0073.] Second, Choi provides no such disclosure or even suggestion that these structures are the same structure. Third, as established above, modifying the various identified structures of Choi to be unitary and resilient would require a wholesale redesign of the cap assemblies disclosed in Choi, and a person of ordinary skill in the art simply would not have been motivated to do so, let alone for the reasons set forth in the final Office action. Accordingly, these counterarguments of the Examiner also are flawed.

II. Dependent Claim 9.

Dependent claim 9 depends directly from independent claim 1 and also was rejected based on a proposed combination of Choi and Lee or a proposed combination of Choi and Rossbach. Dependent claim 9 recites “wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.” Similar to the rejections of independent claims 1 and 21, the Examiner acknowledged that this subject matter is not in the prior art but summarily concluded that “it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [FOA, p. 5.] Appellant assumes that the indication of “two pieces” was an inadvertent error on the part of the Examiner, since dependent claim 9 recites three components that are constructed as a unitary assembly. Regardless, for at least analogous reasons to those discussed above with respect to independent claim 21, which also recites a unitary construction of the mouthpiece portion, the

tube, and the anchor portion, the rejection of dependent claim 9 is improper and should be reversed.

III. Independent Claim 18

Next, the rejection of independent claim 18 also is improper at least because none of Choi, Lee, Rossbach, Wang, and Lin discloses, teaches, or even suggests—and a person of ordinary skill in the art would not have been motivated to modify a combination of these references to arrive at—at least the following subject matter of independent claim 18:

(claim 18) ***an anchor portion** extending from the tube distal the mouthpiece portion and including **a plurality of flanges** that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly, wherein the anchor portion, the mouthpiece portion, and the tube are constructed as **a unitary assembly** of the resiliently deformable material.*

As emphasized above, similar to independent claims 1 and 21, independent claim 18 recites an “anchor portion” that restricts passage of the anchor portion through the through-passage of the base of the cap assembly. As also emphasized above, and similar to independent claim 21, independent claim 18 recites a “unitary assembly” constructed from all three of the mouthpiece portion, the tube, and the anchor portion. However, unlike independent claims 1 and 21, independent claim 18 further recites that the anchor portion includes “a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.”

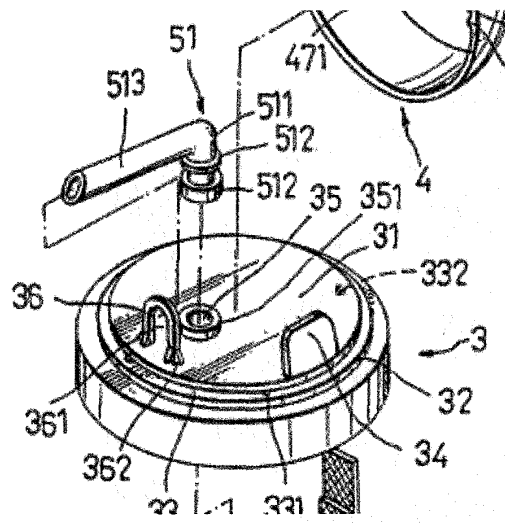
In rejecting independent claim 18 over the proposed combination of Choi, Lee, Rossbach, Wang, and Lin, the Examiner first relied on Choi for the subject matter of the recited “anchor portion,” similar to the rejection of independent claims 1 and 21 [FOA, p. 9] but then also relied

on Lin for the subject matter of the recited “plurality of flanges.” [*Id.* at pp. 12–13.] In further similarity to the rejections of independent claims 1 and 21, the Examiner relied on Choi for the subject matter of a unitary assembly of the mouthpiece portion and the tube, arguing that “it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [*Id.* at p. 9] Also similar to the rejection of independent claim 21, the Examiner failed to address the expressly recited subject matter of all three of “the anchor portion, the mouthpiece portion, and the tube [being] constructed as a unitary assembly,” that is, including the anchor portion as part of the unitary structure. For this reason alone, the Examiner failed to make a *prima facie* case of obviousness with respect to independent claim 18. Regardless, Appellant establishes below that the proposed combination of Choi, Lee, Rossbach, Wang, and Lin fails to result in this subject matter of independent claim 18.

A. Anchor Portion.

As mentioned, the Examiner first relied on Choi for disclosure of the recited anchor portion of independent claim 18. [FOA, p. 9.] For at least analogous reasons to those discussed above with respect to independent claims 1 and 21, the rejection of independent claim 18 also is improper and should be reversed, together with the rejection of dependent claim 20.

However, the Examiner then relied on Lin for disclosure of the recited plurality of flanges and argued that “[o]ne of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggest by Lin in order to prevent leakage (Lin, abstract).” [*Id.* at pp. 12–13.] More specifically, with reference to Fig. 3 of Lin (a relevant portion of which is reproduced below for the Board’s convenience), the Examiner cited to the flanges 512 as a portion of an anchor portion.



Appellant does not disagree that the structures indicated at 512 are characterized in Lin as flanges; however, Lin expressly discloses at column 2, line 65, through column 3, line 4, that the soft construction of the straw 51 permits fitting of the straw in the through hole 35, so that the two flanges 512 sandwich the through hole 35. In other words, the lower of the two flanges is disclosed as being configured to permit passage of the lower flange through the through hole 35 so that the two flanges fit on either side of the through hole. Accordingly, the flanges 512 of Lin cannot fairly be interpreted as comprising an anchor according to independent claim 18, which expressly recites that the plurality of flanges “are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.”

Accordingly, it would not have been obvious to a person of ordinary skill in the art to modify the mount 182 of Choi to include the flanges 152 of Lin to arrive at the subject matter of independent claim 18. As discussed above with respect to independent claims 1 and 21, the mount 182 of Choi simply is not integral to a mouthpiece assembly and is provided solely for the

purpose of mounting a separate straw within the liquid container. Moreover, even if the proposed modification is made, the subject matter of the anchor and flanges still is not disclosed or rendered obvious due to the mount of Choi not even engaging (much less restricting removal of) the mouthpiece assembly of Choi. For these additional reasons, the rejection of independent claim 18 is improper and should be withdrawn, together with the rejection of dependent claim 20.

B. Unitary Structure.

Similar to independent claim 21, independent claim 18 recites that the mouthpiece portion, the tube, and the anchor portion of the mouthpiece assembly are constructed as a unitary structure. Similar to the rejections of independent claims 1 and 21, the Examiner acknowledged that this subject matter is not disclosed in the cited prior art but summarily concluded that “it would have been obvious to one of ordinary skill in the art to make the two pieces [(mouthpiece portion and tube of Choi)] integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [FOA, p. 9 (citing to *In re Larson*, 340 F.2d 965, 968 (CCPA 1965).] For at least analogous reasons to those discussed in detail above with respect to independent claims 1 and 21, the rejection of independent claim 18 also is improper and should be reversed, together with the rejection of dependent claim 20.

The Examiner’s counterarguments set forth in the Response to Arguments section presumably also relate to the rejection of independent claim 18, and as established above with respect to independent claims 1 and 21, are flawed.

IV. Dependent Claim 15.

Dependent claim 15 depends directly from independent claim 1 and was rejected based on a proposed combination of Choi, Lee, and Lin. Dependent claim 15 recites “wherein the

anchor portion includes a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage.” Similar to the rejection of independent claim 18, the Examiner acknowledged that Choi does not disclose a plurality of flanges as part of an anchor portion and instead relied on Lin for this subject matter, concluding that “[o]ne of ordinary skill in the art would have found it obvious in incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).” [FOA, p. 7.] For at least analogous reasons to those discussed in detail above with respect to independent claim 18, which also recites a plurality of flanges, the rejection of dependent claim 15 is improper and should be withdrawn.

V. Conclusion.

Appellant submits that the above discussion demonstrates that the rejections at issue are improper and that all of the pending claims patentably distinguish the cited prior art. Therefore, Appellant requests that the Examiner’s rejections be reversed.

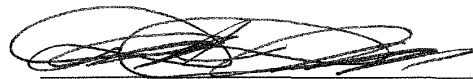
CERTIFICATE OF E-FILING

I hereby certify that this correspondence is being transmitted electronically via the United States Patent and Trademark Office’s EFS-Web System on January 7, 2014.


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Respectfully submitted,

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Dated: January 7, 2014
Atty. Docket No.: KRN 356A

In re Application of:
CamelBak Products, LLC

Inventors : JEFF DAVIES and DEREK GAVIN SULLIVAN
Serial No. : 13/479,962 Group Art Unit: 3788
Filed : May 24, 2012 Examiner: Robert Poon
For : DRINK CONTAINERS

CLAIMS APPENDIX

1. A drink container, comprising:
a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid; and
a cap assembly removably coupled to the liquid container, the cap assembly comprising:
a base removably coupled to the neck of the liquid container and including a through-passage;
a first catch structure;
a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage

permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:

a mouthpiece portion that includes the outlet;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material;

an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly; and

a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

2. The drink container of claim 1, wherein the user release mechanism is mechanically coupled to the first catch structure.

3. (Allowable; Not on Appeal) The drink container of claim 1, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member that is configured to reversibly translate along the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad away from a position where the sliding member disengages the first and the second catch structures.

4. (Allowable; Not on Appeal) The drink container of claim 3, wherein the sliding member further includes a collar engagement portion that projects from the sliding member and which is configured to force disengagement of the first and the second catch structures upon actuation of the user release mechanism.

5. The drink container of claim 1, wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration.

6. The drink container of claim 1, wherein the cap assembly further includes a handle that projects away from the base of the cap assembly and a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration.

7. The drink container of claim 1, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

8. The drink container of claim 1, wherein the mouthpiece portion permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration.

9. The drink container of claim 1, wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.

10. The drink container of claim 1, wherein the mouthpiece assembly further includes a rigid collar member that is pivotally coupled to the base and which includes a crimping portion; wherein the tube of the mouthpiece assembly extends at least partially through the rigid collar member; wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration.

11. The drink container of claim 10, wherein the rigid collar member includes the second catch structure, and further wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member.

12. The drink container of claim 11, wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly.

13. The drink container of claim 10, wherein the mouthpiece portion includes a seat for the rigid collar member in which the rigid collar member engages the mouthpiece portion, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

14. The drink container of claim 10, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion.

15. The drink container of claim 1, wherein the anchor portion includes a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage.

16. The drink container of claim 1, wherein the drink container includes a straw with a first end that extends into the liquid container and a second end that extends into the liquid passage and is retained therein by the friction-fit arrangement.

17. The drink container of claim 1, wherein the cap assembly further includes:
an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

18. A drink container, comprising:

a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid;

a cap assembly removably coupled to the liquid container, the cap assembly comprising:

a base removably coupled to the neck of the liquid container and including a through-passage;

a first catch structure;

a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:

a mouthpiece portion that includes the outlet and permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration, wherein the mouthpiece portion includes a seat;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the

flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration;

an anchor portion extending from the tube distal the mouthpiece portion and including a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly, wherein the anchor portion, the mouthpiece portion, and the tube are constructed as a unitary assembly of the resiliently deformable material; and

a rigid collar member that is pivotally coupled to the base and which includes a crimping portion, wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, wherein the rigid collar member includes a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration, wherein the rigid collar member engages the seat of the mouthpiece portion and restricts relative movement between the mouthpiece portion and the rigid collar member, and wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion;

a handle that projects away from the base of the cap assembly;

a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration;

a user release mechanism configured to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration; wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member; and further wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly; and

an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

19. (Allowable; Not on Appeal) The drink container of claim 18, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member from which the collar engagement portion extends and which is configured to reversibly translate along the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad away from a position where the sliding member disengages the first and the second catch structures.

20. The drink container of claim 18, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

21. A drink container, comprising:

- a liquid container; and
- a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base that defines a through-passage;
 - a mouthpiece assembly that extends through the through-passage of the base and defines a liquid passage, wherein the mouthpiece assembly has a dispensing configuration and a stowed configuration, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly includes:
 - a resilient mouthpiece portion that permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration;
 - a resilient tube connected to the mouthpiece portion and including a crimping region that is adapted to restrict flow of drink liquid through the mouthpiece assembly when the mouthpiece assembly is in the stowed configuration; and
 - a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly, and wherein the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly; and
 - a user release mechanism adapted to automatically release the mouthpiece assembly from the stowed configuration to the dispensing configuration via the bias of the mouthpiece assembly.

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First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	78569
Filer:	David S. D'Ascenzo/Robin Davin
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Attorney Docket Number:	KRN 356A
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1	Appeal Brief Filed	Appeal_Brief_KRN356A_1-7-14.pdf	3364041 33eab68c17802de5c13b6cbe266b37700061e32c	no	41

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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Dated: November 22, 2013
Atty. Docket No.: KRN 356A

In re Application of:
CamelBak Products, LLC

Inventor : JEFF DAVIES and DEREK GAVIN SULLIVAN
Serial No. : 13/479,962 Group Art Unit: 3788
Filed : May 24, 2012 Examiner: Robert Poon
For : DRINK CONTAINERS

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

**NOTICE OF APPEAL FROM THE EXAMINER
TO THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Pursuant to 35 U.S.C. § 134 (post AIA) and 37 C.F.R. § 1.191, CamelBak Products, LLC, owner of the above-identified patent application, hereby appeals to the Board of Patent Appeals and Interferences from the August 30, 2013 Office action rejecting claims 1-2, 5-18, and 20-21 of the pending application.

Our payment in the amount of \$800 for payment of the Notice of Appeal fee is being submitted with this Notice via the EFS-Web.

Respectfully submitted,

CERTIFICATE OF E-FILING

I hereby certify that this correspondence is being transmitted electronically via the United States Patent and Trademark Office's EFS-Web System on November 22, 2013.



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Electronic Patent Application Fee Transmittal				
Application Number:		13479962		
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First Named Inventor/Applicant Name:		JEFF DAVIES		
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Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
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Miscellaneous-Filing:				
Petition:				
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1	Notice of Appeal Filed	Notice_of_Appeal_KRN356A_1 1-22-13.pdf	46957 0ad16eb18cd026c0aad1b80972e3f443d04f69502f	no	1
Warnings:					
Information:					
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

FORM PTO-1449			DOCKET NUMBER		APPLICATION NUMBER		
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			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN				
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.	
	2005/056652	3/17/2005	Cezeaux				
	5,065,909	11/19/1991	Pino et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO	
	EP 0266067 A1	5/4/1988	EP			X	
	GB 2279130 A	12/21/1994	GB			X	
	EP 1095599 A2	5/2/2001	EP			X	
	JP 2002-326655A	11/12/2002	JP				X
	OTHER DOCUMENTS						
		English-language abstract of Japanese Patent No. 2002-326655A, European Patent Office, November 12, 2002.					
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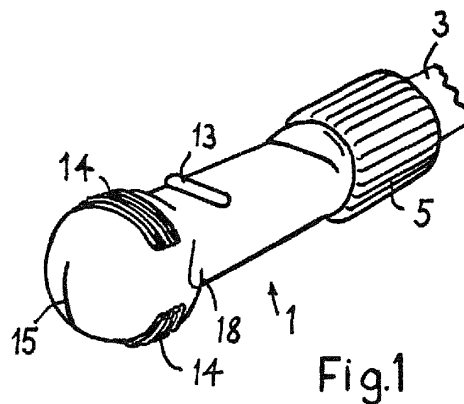
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Mouthpiece for a drinking vessel.

A tubular mouthpiece 1 for a drinking vessel, comprises a normally closed valve 9 which is operated by the mouth of the drinker and which is adapted to be connected to the drinking vessel whereby when the mouthpiece 1 is connected to a drinking vessel containing a drinking liquid only when the valve 9 is operated by the mouth of the drinker does the valve 9 open and the liquid flow from the drinking vessel, through the mouthpiece and into the drinker's mouth and when mouth operated is stopped, the flow of the liquid from the drinking vessel ceases.



EP 0 266 067 A1

"MOUTHPIECE FOR A DRINKING VESSEL"

This invention relates to mouthpieces for drinking vessels and to drinking tubes, drinking straws and drinking vessels incorporating such mouthpieces.

Drinking vessels having a drinking tube through which liquid may be sucked from a liquid reservoir in the vessel are known and have conventionally been used in activities such as athletics and cycling where it is desired that the drink be protected against spillage and be constantly available, preferably without the drinker needing to employ either hand. Such drinking vessels are also known for use by invalids, e.g. as disclosed in U.S. Patent Specification No. 4,196,747 where there is a valve disposed in a drinking tube within the drinking vessel and in which liquid can syphon from the vessel if the outlet from the tube is left at a lower level than the level of liquid within the vessel after drinking has been stopped. Also, another known drinking vessel is disclosed in U.S. Patent Specification No. 4,016,998 having an integral drinking tube with a valve in an overflow channel.

None of the previously known drinking vessels are suitable for use in circumstances in which the vessel is likely to be laid on its side or inverted and can come into contact with unpleasant contaminants such as sea water such as those encountered by the armed forces where the drinking liquid may be contaminated by dust, dirt and sand. In particular, in the popular sport of wind surfing, it would be highly advantageous to have a suitable drinking vessel available from which a drink could be taken whilst enjoying the sport. Since wind surfers frequently fall into the water, the contents of conventional drinking vessels of this general type would become contaminated with sea water. Also, the drinking vessel would be likely to spend considerable periods of time in a position other than an upright position and accordingly there would be a substantial danger of the contents being lost, e.g. through siphoning through the outlet tube.

Similar problems are likely to be experienced in other activities.

Furthermore, with such known drinking vessels, difficulties in operation by a drinker can be experienced because the operating valve is remote from the mouthpiece.

Accordingly, the main object of the present invention is to provide a mouthpiece for a drinking tube or drinking vessel or drinking tube or drinking vessel having a mouthpiece in which the aforesaid disadvantages are minimized or eliminated.

To this end the present invention consists in a tubular mouthpiece for a drinking vessel, said mouthpiece comprising a normally closed valve which is operated by the mouth of the drinker and which is adapted to be connected to a reservoir for containing a liquid for drinking whereby when the mouthpiece is connected to a drinking vessel containing the drinking liquid only when the valve is operated by the mouth of the drinker does the valve open and the liquid flow from the reservoir, through the mouthpiece and into the drinker's mouth and when mouth operation is stopped, the flow of the liquid from the reservoir ceases.

By having the valve in the mouthpiece, not only is the drinking liquid in the reservoir prevented from being spilt but any contamination of the drinking liquid in the reservoir with foreign matter such as sea water from the external environment is substantially prevented by the closure of the valve.

The mouthpiece may be adapted to be connected to the drinking vessel in any convenient manner, e.g. by means of a drinking tube. Thus, the mouthpiece may have a stem which is connected to a drinking tube, having a length sufficient to extend from outside the reservoir to adjacent the bottom of the reservoir, by fitting the stem with a friction fit onto or into the exposed free end portion of the tube.

The valve may be disposed within a valve chamber defined by the inner wall of the mouthpiece and having an inlet for drinking liquid from the reservoir and an oppositely facing outlet for the drinking liquid from the mouthpiece.

In one embodiment of the invention the valve has a seat surrounding the liquid inlet, a valve member, a means such as a compression spring urging the valve member against the valve seat to close the valve yet being suitable to be overcome by a mouth operation involving suction applied by the mouth to the mouthpiece.

Whilst in this embodiment the mouthpiece is useful in many situations, the valve chamber is still open to the external environment through the drinking liquid outlet. Therefore in wind surfing and sailing and in conditions encountered in the field by the armed forces, e.g. by the army, in the desert, there is a need to provide a mouthpiece which is completely closed against the external environment. In such harsher conditions, contaminants such as dust and sea water can enter through the drinking liquid outlet in the valve chamber and remain there to pollute the drinking liquid en route through the valve chamber to the mouth and in the reservoir by passing back during closure of the

valve. Moreover, if the valve chamber does get contaminated, it can be very difficult to completely clean the valve chamber and remove the taste of the contaminants therefrom.

Furthermore, the spring pressure can weaken with use and with it being subjected to contaminants in harsh environments so that there is a need in certain situations for the valve to have a more positive action.

Accordingly, in a preferred embodiment, in which the mouthpiece has an inlet for a drinking liquid from the reservoir and an outlet for drinking liquid from the mouthpiece both the inlet and the outlet are normally closed and are opened by a mouth operation which involves a biting action of the mouth of a drinker. Thus, when such a mouthpiece is connected to the drinking liquid reservoir, the mouthpiece and the reservoir form a completely closed circuit, which prevents the entry of any foreign contaminants into the interior of the mouthpiece and into the reservoir. The biting action may be performed with the lips, teeth or gums.

Moreover, such a mouthpiece has the advantages of, one completely handed operation, no undoing or doing up of tops, immediate reseal when the biting action is stopped, without needing to use either hand, so not only is contamination avoided but use with carbonated drinks is possible since gas escape is prevented once sealed, there is no spillage e.g. when knocked over or by any dripping or leakage even when sealed from the valve chamber, because of the immediate sealing action, there is no syphoning action which can occur with prior art drinking vessels in which the normally closed valve is in a drinking tube within the reservoir, can be adapted to suit any kind of drinking reservoir, whatever the kind of closure or opening, e.g. keyhole opening type cans and can be developed as a modular system, e.g. a particular mouthpiece can be adapted to suit a wide variety of different vessels and can not only be arranged to suit any environment but also geared towards the particular activity involved.

It should be appreciated that the mouthpiece may be adapted to be directly connected to the drinking liquid reservoir, e.g. by an internal or external thread engaging with a corresponding external or internal thread on the reservoir or the keyhole type slot in the top of an open drink container e.g. by a turning and clamping action, or connected indirectly to the reservoir by means of a drinking tube such as previously described.

The mouthpiece is conveniently made of a resilient or flexible material and the outlet in its closed position in the form of a slit in the mouth engaging end, the sides of which are pressed firmly against each other to prevent the flow of liquid therethrough. When the mouthpiece is bitten

with the slit in a position extending transversely of the drinker's mouth, the slit opens to form an open outlet of generally circular configuration and at the same time the bite causes the valve in the valve chamber to open to free the inlet so that when the mouthpiece is sucked liquid will flow from a drinking vessel to which the mouthpiece is connected through the mouthpiece and into the drinker's mouth. So long as the bite is maintained and suction applied the liquid will flow from the mouthpiece. However, immediately the bite is released both the inlet and outlet will close.

The inlet valve is advantageously in the form of two flaps which pivot intermediate their ends such that the distal ends of the flaps abut each other in the closed position and the proximal ends of the flaps are spaced apart whereby pressure on the mouthpiece by a biting action will cause the proximal ends to abut each other and the distal ends to move apart, about the pivot to open the inlet. Immediately, the biting pressure is released the proximal ends move apart and the distal ends move into abutment to close the inlet.

The invention also consists in a drinking tube or straw having any of the mouthpieces defined hereinabove connected thereto.

A non-return valve may be positioned in the tube, preferably at or near the end thereof adjacent the bottom end of the reservoir, adapted to prevent back flow of liquid out of the tube into the reservoir.

Advantageously, the drinking vessel itself is of plastics material and preferably of an insulating construction. For instance, the vessel may comprise a layer of foam to provide insulation. Suitably, the vessel is of self skinning plastics foam.

Preferably, the vessel is formed with a narrowed waist portion for firm location of attachment means for mounting the vessel in position in use as will be described hereafter.

Preferably, the tube is a flexible tube such as a flexible plastics tube. This suitably passes through a detachable end cap for the drinking vessel.

Means is preferably provided by way of an air bleed through the cap for allowing air into the drinking vessel to replace liquid as it is drunk.

The drinking vessel may be provided with a strap member for attaching to a support such as the mast of a wind surfer or to a wearers arm, for example comprising a first strap portion for passing around the container, means for connecting opposed parts of the first strap portion to trap the container, a second strap portion for passing around a support and means such as VELCRO (Trade Mark) for connecting opposed parts of the second strap portion to attach the strap member to the support, said first and second strap portions being joined to one another in a region intermediate their respective opposed parts.

In order to assist in preventing slippage of the strap member on the support in use, a strip or patch of gripping material such as a soft natural or synthetic rubber may be provided on that face of a part of the second strap portion which will engage a support in use.

In a preferred embodiment, a ring or loop member is provided on one end of the second strap portion through which the first strap portion may be passed with, optionally, co-operating connecting means provided on an outer face of the second strap portion adjacent its other end from said loop or ring and an outer face of the first strap portion whereby said other end of the second strap portion may be passed through the loop or ring and returned over itself to overlay the connecting means provided on the outer surface of the first strap portion and to connect thereto.

The present invention further consists in a drinking vessel provided with any of the mouthpieces defined hereinbefore connected thereto.

In order that the invention may be more fully understood some embodiments in accordance therewith will now be described, by way of example, with reference to the accompanying drawings, in which:-

Figs. 1, 2 and 3 are perspective, longitudinal sectional and end views respectively of a mouthpiece made in accordance with the present invention, with the liquid inlet and outlet in their closed positions.

Figs. 4, 5 and 6 are similar views to those of Figs. 1 to 3, with the liquid inlet and outlets in their open positions;

Figs. 7, 8 and 9 are a front elevation, top plan view and perspective view respectively of one embodiment of drinking flask including the mouthpiece of Figs. 1 to 6;

Fig. 10 is a perspective view of another embodiment of drinking flask,

Figs. 11 and 12 are perspective views of the drinking flask of Figs. 7 to 9 fitted with alternative carrying means,

Fig. 13 is a perspective view of another embodiment of a drinking vessel,

Fig. 14 is a cut-away side elevation of a drinking bottle having an alternative mouthpiece with a different form of valve,

Figs. 15A and 15B are enlarged sectional views of the mouthpiece illustrated in Fig. 14 with the valve in the closed and open positions respectively, and

Fig. 16 is an edge view of a strap member used in conjunction with the drinking vessel of Fig. 14.

Referring to Figs. 1 to 6 of the drawings, there is shown a mouthpiece which is generally indicated at 1 and which is made of a flexible, resilient material such as natural or synthetic rubber or a suitable plastics. The mouthpiece 1 has a stem 2 which, in the illustrated embodiment, is fitted into one end portion of a drinking tube 3, with the stem 2 and end portion 3 being of complimentary shape to provide a positive fit and with the stem 2 being provided with a shoulder 4 which acts as a stop and abuts against the end of the tube 3. To ensure a liquid tight fit with the tube 3 the joint between the tube and the stem 4 is covered by a sleeve 5.

The mouthpiece 1 has a free end portion 6 which is of generally circular cross-section, the more easily to facilitate holding of the mouthpiece in a drinker's mouth during use. A valve chamber 7 is defined by the inner wall 8 of the mouthpiece 1 with a valve 9 comprises two flaps 10 which are pivoted by means of an interengaging ridge and recess at a location 11 intermediate their ends, with the valve 9 being located in the drinking liquid inlet 12 by means of ridges on the flaps 10 engaging in complimentary recesses in the inner wall 8 of the mouthpiece 1. The construction of the mouthpiece is such that the recesses in the inner wall 8 provide external ridges 13 for a purpose to be described.

The external wall of the mouthpiece end portion 6 is provided with oppositely facing bands of serrations 14 to facilitate holding in the mouth and with a slit 15 which forms the outlet for drinking liquid from the mouthpiece when open as illustrated in Fig. 4. Thus, it will be seen, that the mouthpiece terminates in a blind end so that when the mouthpiece is connected to a drinking vessel such as the drinking flask 16 shown in Figs. 7 to 8, with the drinking flask having been previously charged with liquid, the drinking liquid is contained all within one boundary. Also, as the mouthpiece terminates in a blind end, because of the slit 15, the mouthpiece is easy to clean.

As can be seen from Figs. 7 to 9, the mouthpiece 1 with tube 3 (not visible) extending therefrom is mounted within an aperture in the screw threaded top 17 of the drinking flask 16 in such manner as to be sealed with respect to the top 17, for example using the sleeve 5 with a friction fit. When it is desired to recharge the flask with drinking liquid, it is a simple matter of unscrewing the top 17.

In order to have a drink from the flask 16, incorporating the mouthpiece 1, the end portion 6 of the mouthpiece is placed in the mouth and the teeth located between the ridge 13 and the neck 18 of the end portion 6 with the slit 15 extending transversely of the mouth. The mouthpiece is then bitten by the teeth and/or pressure by lips causing the proximal ends of the flaps 10 of the valve 9 to

move towards each other and the distal ends of the flaps 10 to move away from each other and into the position shown in Fig. 5 and to cause the slit to open into the aperture shown in Figs. 4 and 6 so that both the inlet and the outlet of the mouthpiece are open to the drinking liquid in the reservoir constituted by the flask 16. When suction is applied by the mouth liquid flows into the tube 3 through the inlet into the chamber 7 and out through the open outlet 15 and into the mouth. As soon as the biting action is stopped, both the valve 9 and the slit valve 15 close so that the drinking liquid is, again, enclosed all within one boundary to protect the interior of the mouthpiece and the flask 16 from any contamination from the external environment. If desired, the liquid can remain within the tube 3 by applying suction until the valves 9 and 15 are closed so as to obtain a ready drink without needing to charge the tube 3 first with liquid, for example in hazardous conditions such as sailing in rough seas, or, alternatively, by stopping suction and maintaining the biting action, the liquid 3 may be allowed to drain out of the tube and back into the reservoir in the flask 16.

If it is desired, for certain conditions, that the tube 3 and the mouthpiece 1 shall remain charged with liquid without any further thought, then a non-returning valve can be incorporated in the end of the drinking tube 3 adjacent the bottom of the reservoir in the flask 16, as described in the specification in the aforementioned patent application.

In the embodiment of Fig. 10, the drinking tube 3 is extended out through the cover 17 of the flask 16 (which is of smaller size) and the mouthpiece is fitted to the end of the tube 3 outside the flask to provide a flask with a drinking straw.

Figs. 11 and 12 show different ways of carrying the flask. In Fig. 11 a carrying handle 19 is fitted to the screw-threaded spigot projecting from the flask 16 and is held in position by screwing the cover 17 onto the screw-threaded spigot.

On the other hand, the flask 16 in Fig. 12 is provided with a strap 20 which is connected to the flask 16 through a slot 21 formed into the flask during moulding.

In the embodiment of Fig. 13, the mouthpiece 1, either with or without a drinking tube 3 attached thereto is fitted into the keyhole slot (not shown) of a drinking vessel constituted by a carbonated drinks container 16a by means of a fitting and clamping member 22. Of course, the drinking liquid within the can may not necessarily be carbonated.

Whilst the embodiment of mouthpiece illustrated in Figs. 1 to 6 when used with any of the illustrated drinking vessels provides a completely closed circuit which prevents the entry of any foreign contaminants under most hazardous conditions the embodiment illustrated in Fig. 14 is still suitable for less hazardous conditions.

Referring to Figure 14, the drinking bottle 31 is provided, midway along its length, with a reduced diameter waist 32. The bottle 31 has a screw cap 33 including a larger central bore through which passes a flexible drinking tube 34 and a smaller bore 35 which acts as a bleed channel for air entering the bottle. Bore 35 is sufficiently small that liquid cannot spill through it.

At its lower end drinking tube 34 carries, optionally, a non-return valve 36 of simple design comprising a tubular casing having an opening at each end and a perforated partition wall 37 adjacent one end. Trapped between the partition wall 37 and an inwardly projecting lip at the end of the valve 36 is a flap member 38 which can seal against the lip 38a to prevent passage of liquid out of the tube into the bottle but upon suction being applied to the tube is carried back to lie against the partition 37 against which it will not seal.

At the exterior end of the tube 34 there is fitted a spherical mouthpiece 39 which is illustrated in detail in Figures 15A and 15B. As shown in Figure 15A, the mouthpiece 39 has a valve having a valve casing in two parts of plastics material. Together, the two parts of the casing form the spherical mouthpiece 39 which has a tubular tail 40 leading into the hollow interior of the valve casing. The tail 40 is provided with forwardly tapering annular ribs 41 for tight location of the mouthpiece in the tube 34.

The two parts of the casing are assembled together as a press fit and are locked together by an annular snap fitting formation 42.

Within the hollow interior, which constitutes a valve chamber, of the valve there is provided an annular valve seat 43 surrounding the inlet of the mouthpiece and an elastomeric valve element 44 in the form of a disk having on its downstream face a boss 45 of reduced diameter over which is received one end of a frusto-conical coil compression spring 46, the larger end of which seats against a shoulder provided on the interior of the casing.

Four end stop fingers 47 are provided at the outlet of the mouthpiece projecting inwardly as seen in Figure 15B. When a mouth operation involving suction is applied to the mouthpiece, the valve 45 is carried away from the valve seat 43 to abut against the end stop fingers 47. Upon cessation of the suction, the coil spring 46 returns the valve element to close the valve seat 43 and thus the inlet.

For attachment to a support such as the mast of a wind surfer, the drinking bottle of Figure 14 may be provided in conjunction with a strap member as shown in Figure 16. The strap member of Figure 16 comprises a first strap portion 48 on a second strap portion 49, for instance of webbing material. The first and second portions are attached over a central region 50, e.g. by stitching. A first Velcro (Trade Mark) connector patch 51 is sewn to the outer surface of an end area of the first portion 48. A co-operating patch 52 of Velcro (Trade Mark) of the opposite type is provided on the interior face of an area at the opposite end of the first portion 48 which can overlay and attach to the patch 51. The waist 2 of the bottle is receivable in the loop of webbing so formed by the first portion.

The second portion 49 is intended to pass around a support such as a wearer's arm or the mast of a wind surfer and comprises a first arm 53 having on an interior face thereof patch 54 of elastomeric, non-slip material intended to prevent slippage of the strap member on the support. This is suitably formed of a natural or synthetic rubber material such as neoprene. At its end, the first arm 53 bears a D-ring 55. A second arm 56 of the second portion 49 is passed through the D-ring 55 and is returned over itself toward the first portion 48 of the strap member. In an end area of the second arm 56 there is provided a Velcro (Trade Mark) patch 57. A Velcro (Trade Mark) patch 58 of an opposite type to patch 57 is provided on the first portion of the strap member on the other side of the webbing from patch 52.

The second portion of the strap member may therefore be tensioned around a support and anchored by engagement of the Velcro patches 57 and 58. The bottle may be removed from the strap member by opening the connection between Velcro patches 51 and 52 without disturbing the attachment of the strap member to the support.

Because of the provision of the valved mouthpiece and because of the shapes selected for the mouthpiece, the drinking vessels described may be immersed in sea water in any attitude and upon being righted and removed from the water will enable the user to drink from the vessel without the contents of the bottle or the first portion of drink dispensed from the tube being contaminated to any significant extent by sea water. Furthermore, because of the provision of the mouthpiece valve, the tube remains full of liquid in use. This means that the tubes can be of considerable length without the user having to suck liquid all the way through the tube at each occasion the drink is wanted. The vessels may therefore be placed some way from the users normal position and the tubes may be conveyed to a location nearer to the

users mouths. For instance, the vessel may be strapped to the mast of a wind surfer and the tube may be carried along a boom associated with the wind surfers sail.

Alternatively, the vessel may be fixed in other locations such as on a user's arm or on a pack carried on a user's back and the tube may be conducted to a location adjacent the user's mouth. The tube may be clipped in position in use, and for this purpose suitable means for clipping the tube in position may be provided.

One or more clips or pockets may be associated with the strap member for holding the tube in a storage position and/or for receiving items of use such as keys and small tools.

The drinking vessels described in Figs. 7 to 12 and Fig. 14 may be made of any suitable material but are preferably formed of self-skinning plastics foam which provides the vessels with heat insulation properties.

Although the invention has been described with reference to particular embodiments thereof, it should be appreciated that various modifications may be made without departing from the scope of the invention. For example, in the embodiments of Figs. 7 to 11 the drinking tube 3 may be provided with a non-return valve but this is not essential in these embodiments or the embodiment of Fig. 14.

Claims

1. A tubular mouthpiece for a drinking vessel, said mouthpiece comprising a normally closed valve which is operated by the mouth of the drinker and which is adapted to be connected to a drinking vessel for containing a liquid for drinking, whereby when the mouthpiece is connected to the drinking vessel, only when the valve is operated by the mouth of the drinker does the valve open and the liquid flow from the vessel, through the mouthpiece and into the drinker's mouth and when mouth operation is stopped, the flow of the liquid from the drinking vessel ceases.

2. A mouthpiece as claimed in claim 1, characterized by being connectible to the drinking vessel by means of a member which engages in a hole in the drinking vessel or by means of a cap or top therefor.

3. A mouthpiece as claimed in claim 1 or 2, characterised by having a drinking tube for communicating the mouthpiece with a drinking liquid reservoir in the drinking vessel and such that the free end of the tube is disposed adjacent the bottom of the reservoir.

4. A mouthpiece as claimed in claim 3, characterized in that the mouthpiece has a stem which is integral with the drinking tube or to which the

other end of the tube is connected by fitting the stem with a friction fit onto or into the exposed free end portion of the tube.

5. A mouthpiece as claimed in any one of claims 1 to 4, characterized in that the valve is disposed within a valve chamber defined by the inner wall of the mouthpiece and having an inlet for drinking liquid from the drinking vessel and an oppositely facing outlet for the drinking liquid from the mouthpiece with the valve normally closing the inlet.

6. A mouthpiece as claimed in claim 5, characterized in that the valve comprises a valve seat surrounding the liquid inlet, a valve member, a means such as a compression spring urging the valve member against the valve seat to close the valve yet being suitable to be overcome by a mouth operation involving suction applied by the mouth to the mouthpiece.

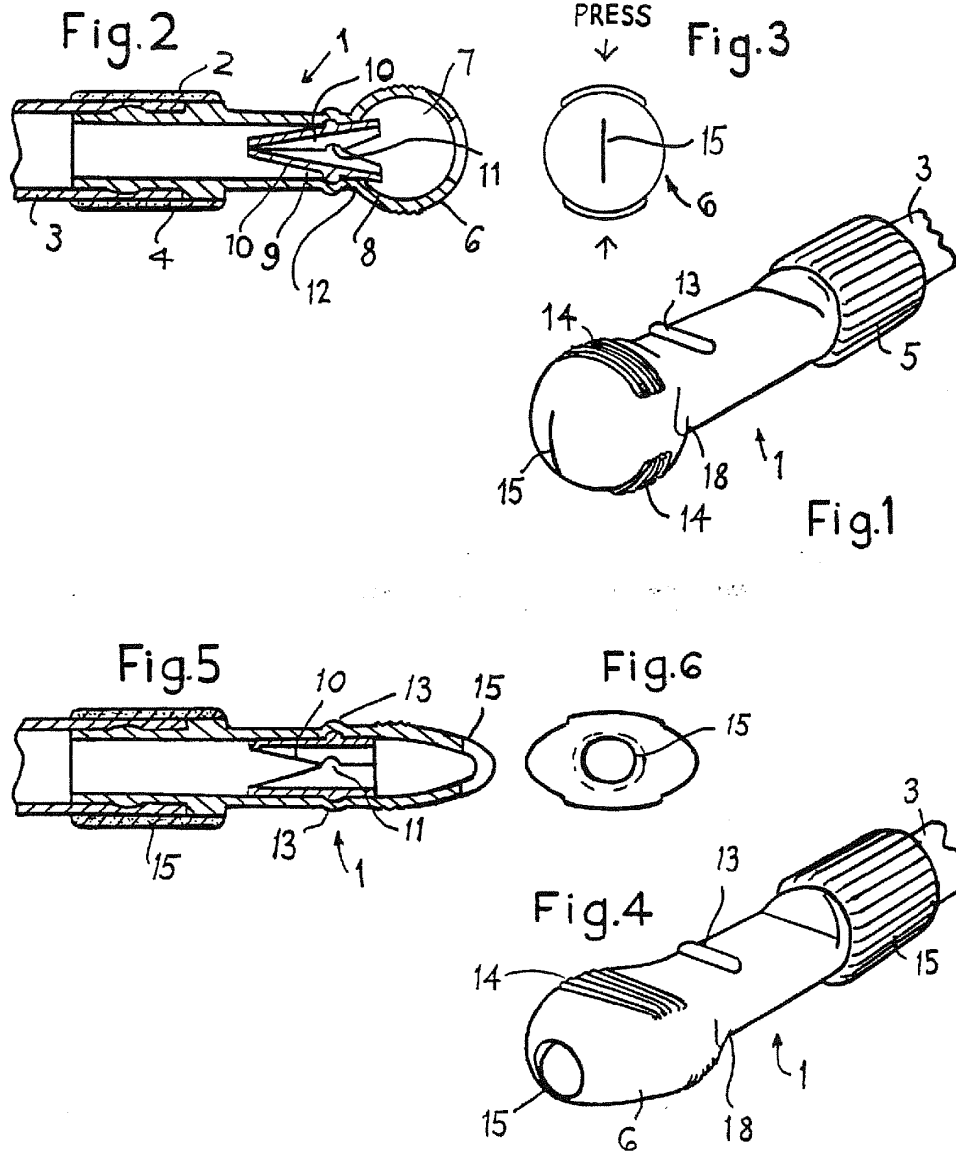
7. A mouthpiece as claimed in claim 5, characterized in that both the inlet and the outlet are normally closed and are opened by a mouth operation which involves a biting action of the mouth of a drinker.

8. A mouthpiece as claimed in claim 5 or 7, characterized by being made of a resilient or flexible material with the outlet in its closed position being in the form of a slit in the mouth engaging end, and with the sides of the slit being pressed firmly against each other to prevent the flow of liquid therethrough, whereby when the mouthpiece is bitten with the slit in a position extending transversely of the drinker's mouth, the slit opens to form an open outlet, the valve in the valve chamber is opened to free the inlet so that when the mouthpiece is sucked liquid will flow from a drinking vessel to which the mouthpiece is connected through the mouthpiece and into the drinker's mouth so long as the bite is maintained and suction applied and will stop immediately the bite is released whereupon both the inlet and outlet will close.

9. A mouthpiece as claimed in claim 8, characterized in that the inlet valve is in the form of two flaps which pivot intermediate their ends such that the distal ends of the flaps abut each other in the closed position and the proximal ends of the flaps are spaced apart whereby pressure on the mouthpiece by the biting action will cause the proximal ends to abut each other and the distal ends to move apart, about the pivot to open the inlet and immediately, the biting pressure is released the proximal ends move apart and the distal ends move into abutment to close the inlet.

10. A drinking tube having a mouthpiece as claimed in any preceding claim.

11. A drinking vessel including a mouthpiece as claimed in any one of claims 1 to 9.



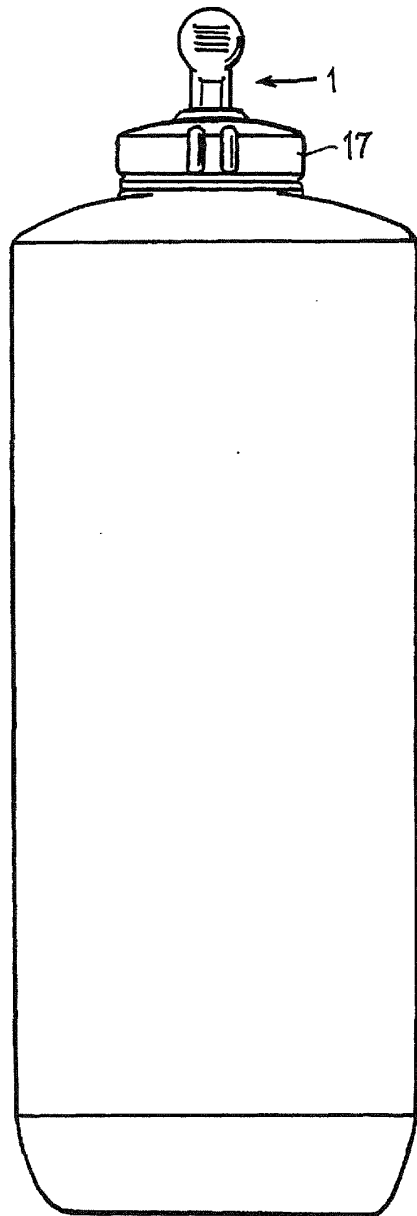


Fig. 7

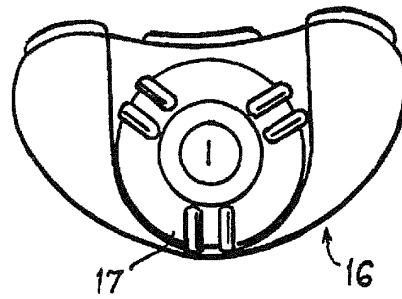
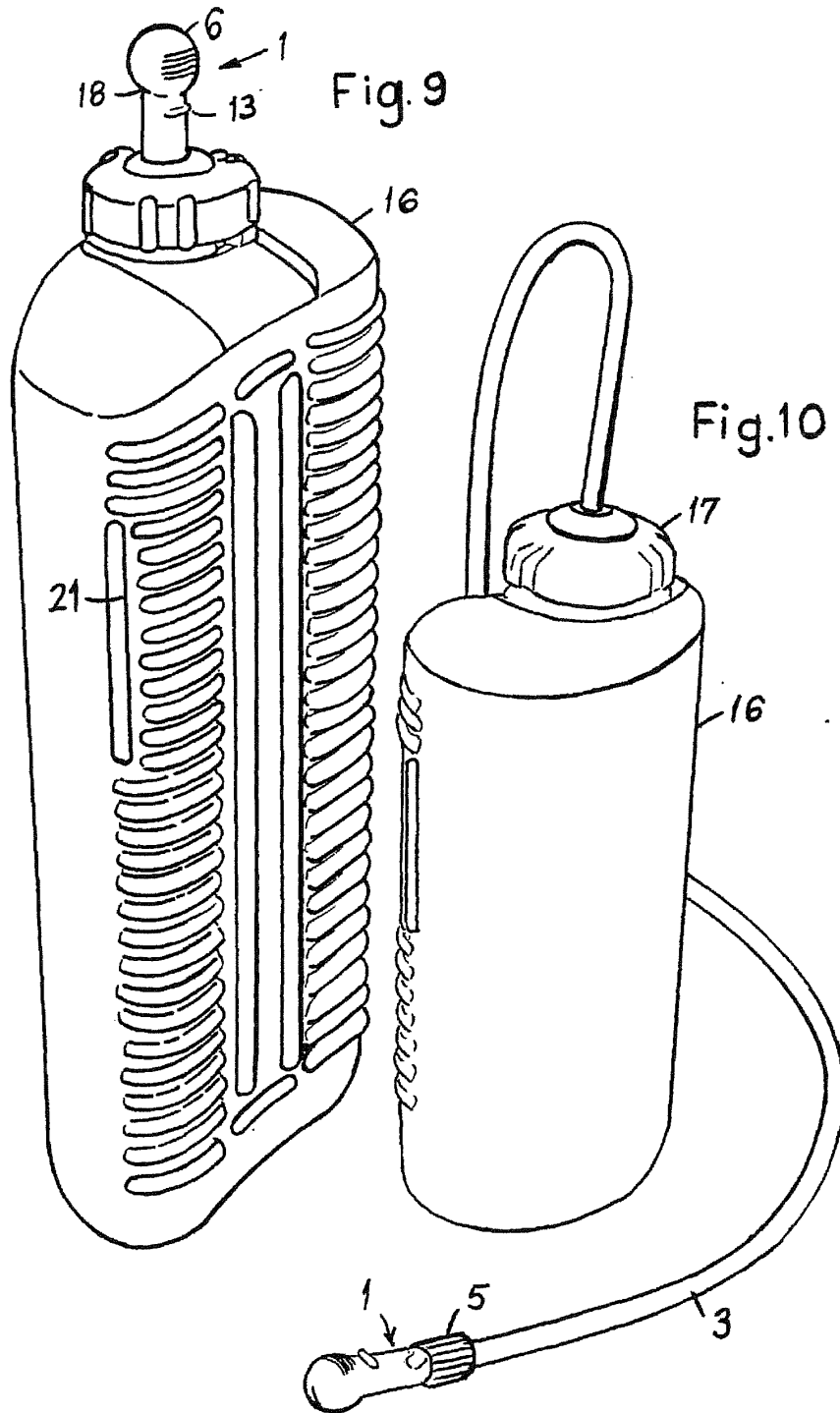
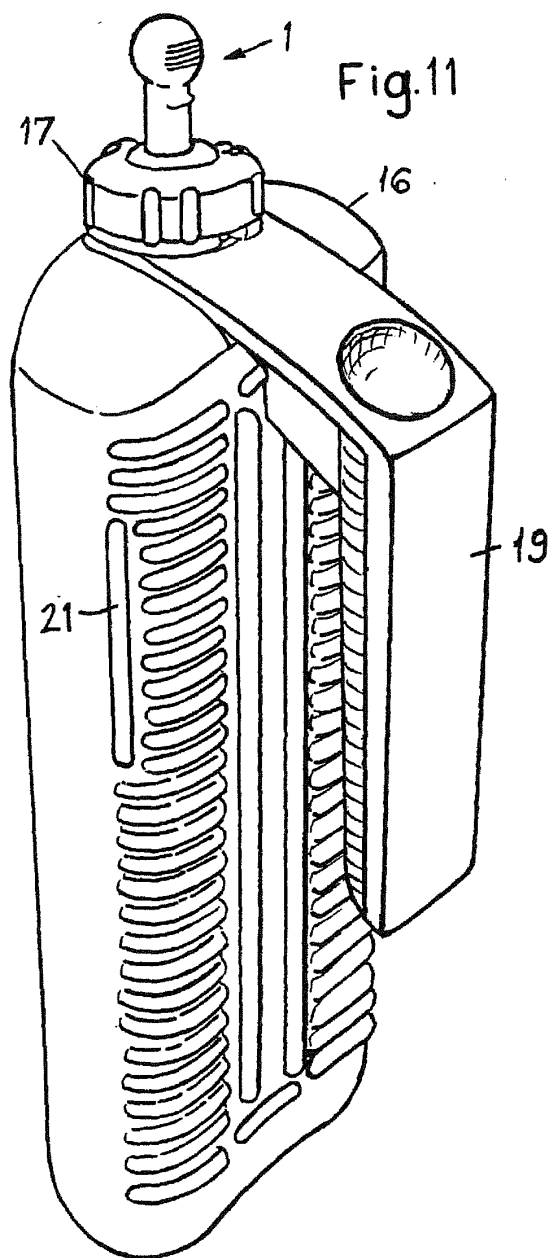
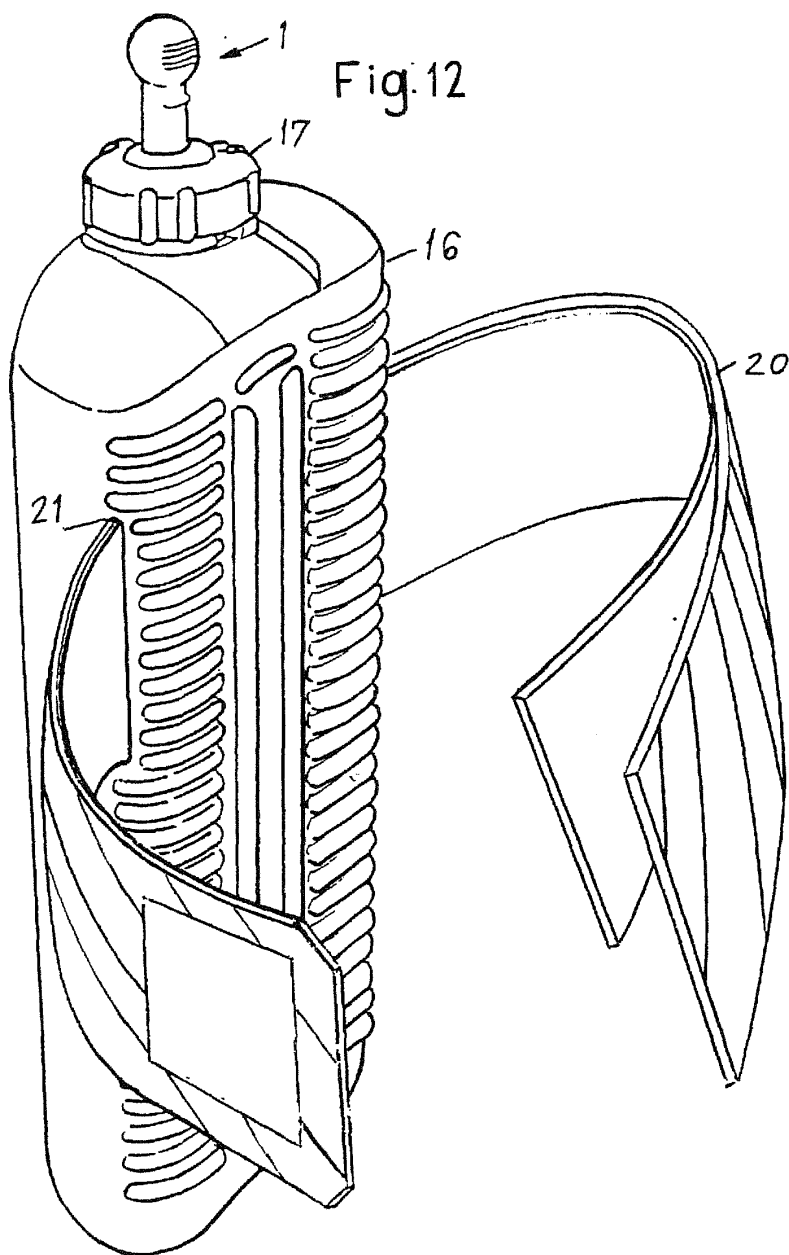


Fig. 8







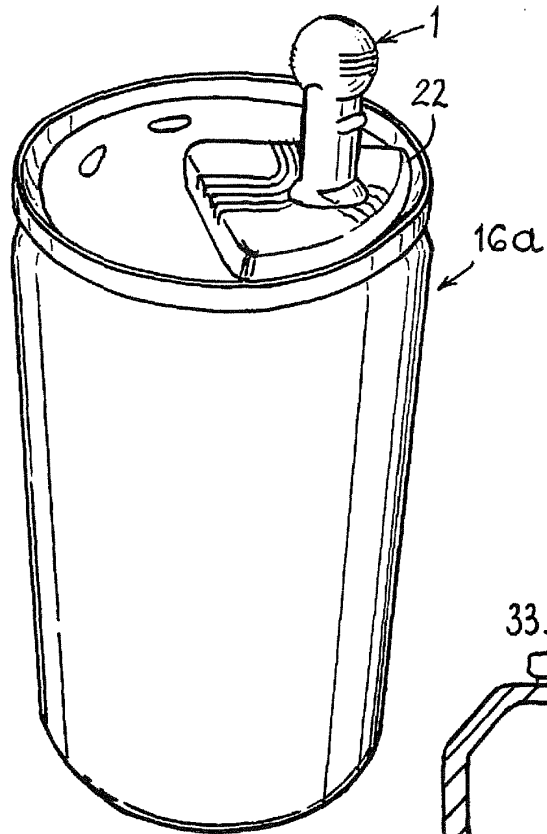


Fig.13

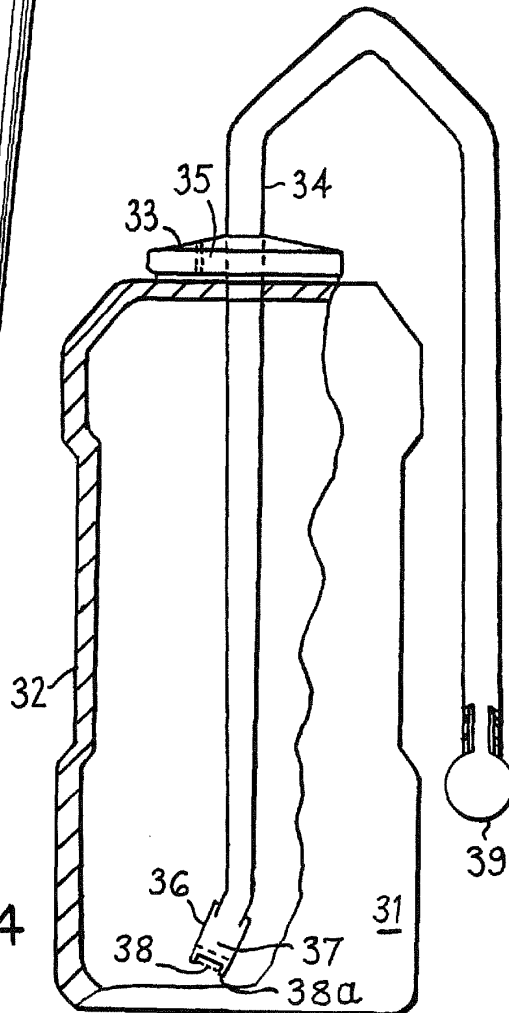


Fig.14

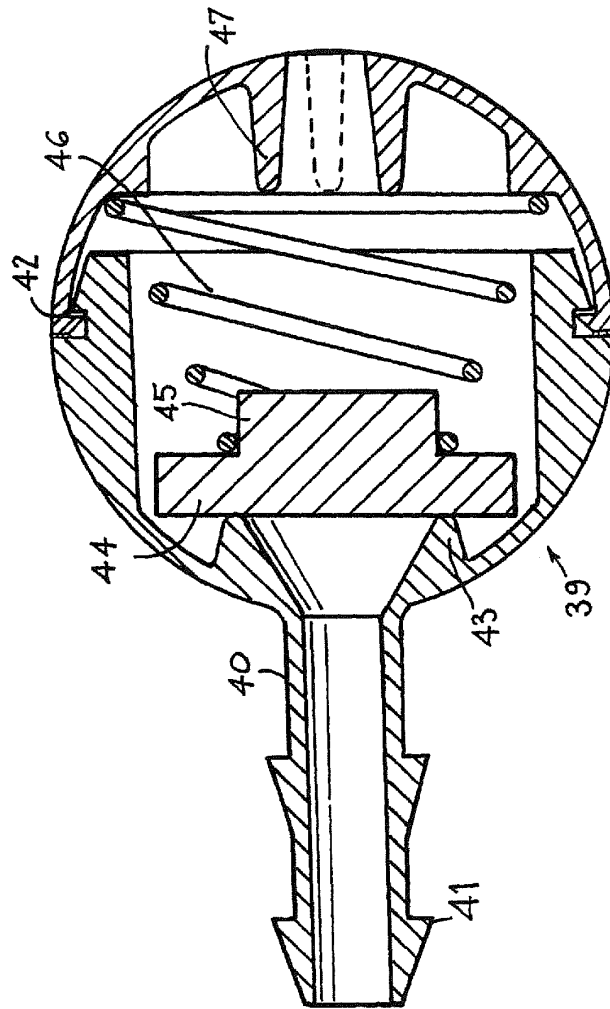


Fig.15A

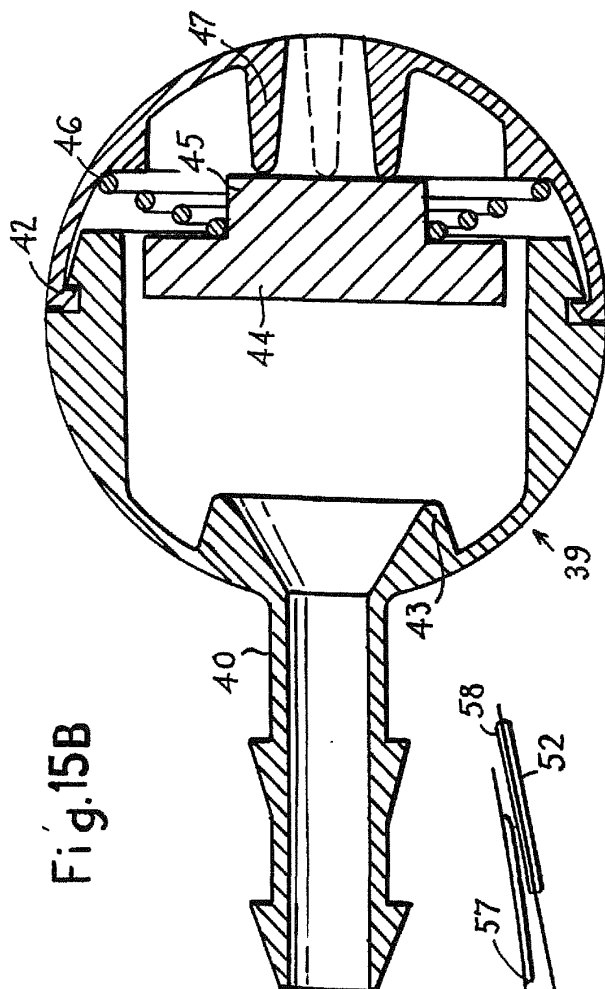


Fig. 15B

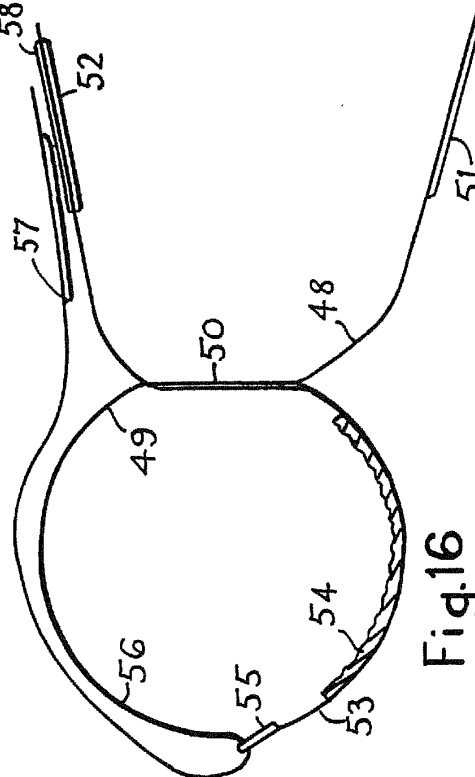


Fig. 16



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 87 30 8693

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
X	US-A-2 969 064 (METZ) * Whole document *	1,2	A 47 G 21/18
A		3,5,7-10	A 47 G 19/22
X	US-A-3 165 241 (CURRY) * Figures 2-8; column 2, line 68 - column 3, line 71 *	1,2,10	
A		3,4,7,8	
X	CA-A- 37 027 (TICHY)(1971) * Whole document *	1-3,5,11	
A		4,6,8	
A	US-A-3 346 009 (LINDEBOOM) * Figures 3-5 *	6	
A	DE-U-7 832 981 (HAUGK) * Abstract *	1-4,10,11	
A,D	US-A-4 196 747 (QUIGLEY et al.)		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			A 47 G F 16 K A 61 J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-01-1988	Examiner BEUGELING G.L.H.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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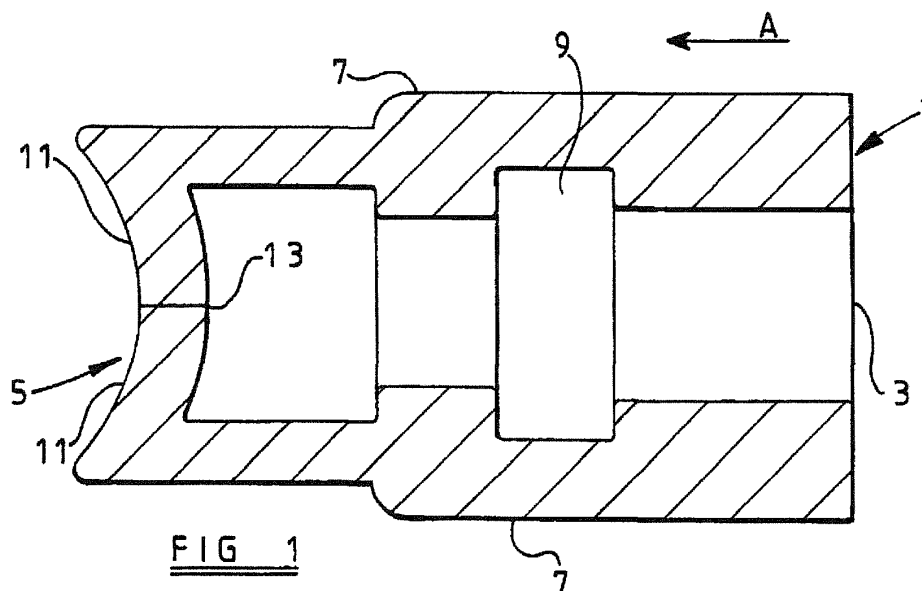
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(58) Field of Search
UK CL (Edition M) F2V VP101 VP102
INT CL⁵ F16K 7/00 7/04 15/14 15/18

(54) Valve for delivering fluids

(57) A valve is made of a resilient material and comprises a housing (1) and at least two closure elements (11) defining an openable slit 13. The housing 1 is closed around its periphery to define a fluid flow path from an inlet 3 and through slit 13 when open. The elements (11) are secured to housing 1 in the region of its inner surface and abut each other in a closed position of the valve, the elements (11) extending in the closed position over at least a portion of each element 11 in a direction counter to the intended direction of flow A of fluid through the valve. On urging spaced peripheral portions of housing (1) towards each other, the housing 1 is caused to deform resiliently and to move elements (11) over at least a portion of each element 11 in a direction counter to direction A thereby causing elements (11) to become spaced from each other and to allow fluid to pass through the open slit 13. Protrusions 7 allow orientation of slit 13 to extend between upper and lower teeth of user.

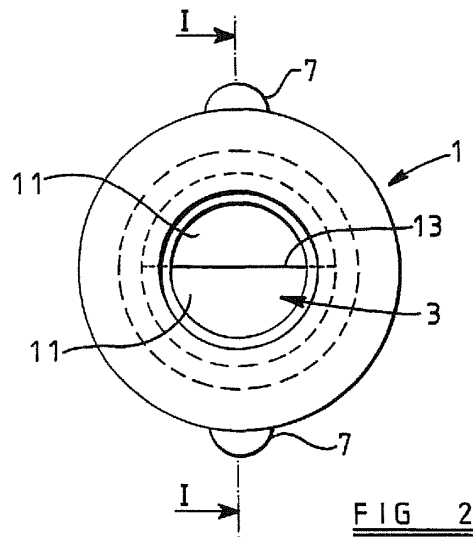
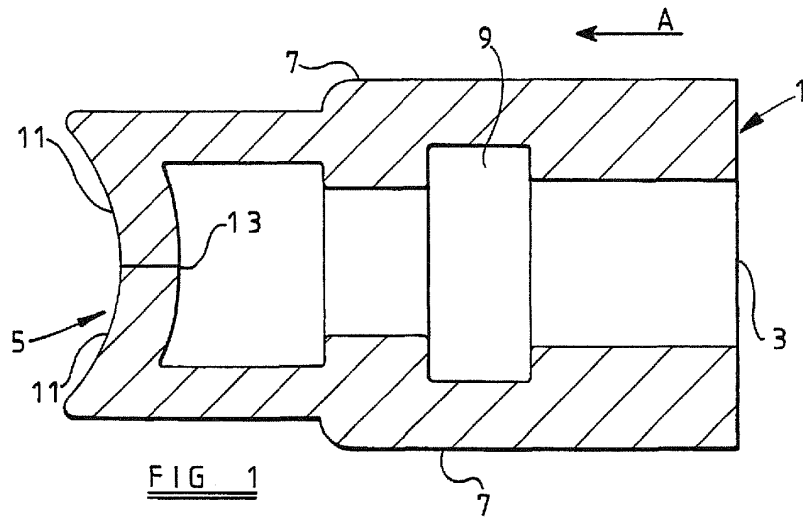


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At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

The claims were filed later than the filing date within the period prescribed by Rule 25(1) of the Patents Rules 1990.

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VALVE FOR FLUID DELIVERY SYSTEM

The present invention relates to a valve for a fluid delivery system. The valve may be used, for example, in liquid delivery systems for use by athletes such as that described in my co-pending United Kingdom Patent Application No. 9300135.2, or in liquid delivery systems for use in medical applications or for use by disabled persons.

10

Valves for fluid delivery systems suffer problems in a number of ways. Valves which employ discrete internal components such as that described in United States Patent No. 5,060,833 are difficult to maintain in a sufficiently clean and hygienic condition, while valves which are moulded as a single integral component tend to leak progressively as the fluid pressure rises.

15

It is therefore an object of the present invention to provide a valve for a fluid delivery system that can be moulded as a single integral component and which is resistant to leakage.

20

According to the present invention there is provided a valve made of a resilient material, the valve comprising a valve housing and at least two valve closure elements, wherein:

25

the valve housing is closed around the periphery thereof so as to define a flow path through which fluid passes through the valve;

5 the valve closure elements are secured to the valve housing in the region of the inner surface thereof and abut against each other in a closed position of the valve, the valve closure elements extending in the closed position of the valve over at least a portion of each valve closure element
10 in a direction counter to the intended direction of flow of fluid through the valve,

the arrangement being such that on urging spaced peripheral portions of the valve housing towards each other, the valve
15 housing is caused to deform resiliently and to move the valve closure elements over at least a portion of each valve closure element in a direction counter to the intended direction of flow of fluid through the valve, thereby causing the valve closure elements to become spaced
20 from each other and to allow fluid to pass through the valve.

The valve housing may be cylindrical. In such an embodiment, the valve closure elements may be positioned at
25 or towards that end of the cylindrical housing remote from the intended fluid inlet thereof. The housing may be provided internally thereof with an annular recess for receiving an external collar of a fluid delivery tube. The

valve housing may have a relatively thin wall thickness in the region of that end of the housing remote from the intended fluid inlet thereof compared with the wall thickness of the housing in the region of that end thereof adjacent to the intended fluid inlet thereof.

The valve housing may be provided with protrusions to assist alignment of the valve. Two diametrically opposed protrusions may be provided. Where the valve housing extends significantly in the intended direction of fluid flow, the protrusions may be spaced from that end of the housing remote from the intended fluid inlet thereof.

Two valve closure elements may be provided. Each valve closure element may be substantially semi-circular in section and may be secure to the inner surface of the housing around the curved periphery of each valve closure element. Where protrusions are provided, the protrusions may be arranged such that they lie along a line substantially perpendicular to the straight line between the two valve closure elements.

The valve closure elements together may form part of a conic surface, for example, the valve closure elements may together form part of a sphere.

For a better understanding of the present invention and to show more clearly how it may be carried into effect

reference will now be made, by way of example, to the accompanying drawings in which:

Figure 1 is a cross-sectional view of one embodiment of a
5 valve according to the present invention taken along the line I-I in Figure 2; and

Figure 2 is an elevational view of the valve shown in Figure 1, looking in the direction of the arrow A shown in
10 Figure 1.

The valve shown in Figures 1 and 2 comprises a housing in the form of a generally annular mouthpiece 1 which is open at one end 3 and closed at the other end 5 thereof.
15 Extending along diametrically opposed outer surfaces of the mouthpiece 1 from a point spaced from the closed end 5 thereof substantially to the open end 3 are two protrusions 7. The protrusions 7 are generally part-circular in cross-section and serve to facilitate orientation of the
20 mouthpiece in the mouth of the user or to otherwise indicate to the user the desired orientation of the valve for use as will be described in more detail hereinafter.

The wall thickness of the mouthpiece 1 in the region of the
25 open end 3, that is in the region of the intended fluid inlet, is greater than the wall thickness thereof in the region of the closed end 5. The portion of the mouthpiece having the lesser wall thickness is therefore relatively

more flexible than the portion having the greater wall thickness.

5 Provided internally of the mouthpiece 1 in that portion of the mouthpiece having the greater wall thickness is an annular recess 9. In use of the mouthpiece 1, a fluid delivery tube (not shown) having an external collar at the free end thereof extends into the open end 3 of the mouthpiece with the external collar engaging in the annular
10 recess 9 of the mouthpiece.

The closed end of the mouthpiece 1 is in the form of a plurality of inwardly directed valve closure elements 11. In the illustrated embodiment, the inward direction is
15 counter to the direction of the arrow A in Figure 1. In the illustrated embodiment, the inward direction of the valve closure elements is achieved by forming the valve closure elements 11 in the form of a part-spherical surface, but alternative conic or other inwardly directed
20 forms are also possible. Two valve closure elements 11 are provided in the illustrated embodiment, although a greater number may be provided if desired, the two valve closure elements being configured such that they abut against each other to form a slit 13 extending along a straight line
25 which is substantially perpendicular to a diametral line joining the two protrusions 7. Additionally, the abutting surfaces of the two valve closure elements are configured such that they abut against each other substantially

throughout the thickness of the elements in the axial direction of the mouthpiece.

The mouthpiece 1 is made as a single integral moulding from
5 a resilient material such as a silicone rubber material.

In operation, the mouthpiece 1 is mounted on the end of a fluid delivery tube which incorporates an external collar, the external collar engaging in the annular recess 9 of the
10 mouthpiece as described hereinabove. The fluid delivery tube in turn communicates with a reservoir of fluid, such as water, for example as described in my co-pending United Kingdom Patent Application No. 9300135.2.

15 Fluid is supplied to the user by the user taking the mouthpiece 1 into his mouth and orienting the mouthpiece, with the aid of the two protrusions 7, such that the slit extends substantially between the upper and lower teeth of the user. The user can then bite upon the mouthpiece in
20 the region of the closed end 5. Biting upon the mouthpiece 1 in this manner causes the top and bottom walls of the mouthpiece in the region of the closed end to move towards each other (and towards the diametral line joining the two protrusions 7).

25

Moving the top and bottom walls of the mouthpiece together causes the abutting surfaces of the valve closure elements to separate and further causes the valve closure elements,

due to their inwardly directed nature, to fold inwardly into the mouthpiece towards the internal wall thereof. Movement of the valve closure elements 11 in this manner opens the mouthpiece for the flow of fluid. If the fluid
5 is under pressure, fluid will then flow through the mouthpiece in the direction of the arrow A into the user's mouth, but otherwise the user can draw fluid from the reservoir into his mouth.

10 When the mouthpiece is released, the top and bottom walls of the mouthpiece move apart and return to their original configuration. In turn, the valve closure elements return to their original configuration and close the valve.

15 The inwardly directed nature of the valve closure elements ensures that, up to the maximum pressure differential the valve is able to withstand, as the pressure differential across the valve closure elements increases, the abutting surfaces of the valve closure elements are corresponding
20 urged more firmly together, thereby securely closing the valve to the flow of fluid.

Clearly the valve described with reference to the drawings can have alternative uses and configurations. For example,
25 the valve can be used in fluid delivery systems for use by disabled persons and in medical applications.

With regard to alternative configurations, some alternatives have already been described hereinabove, but additionally the mouthpiece need not be circular in cross-section, but may be elliptical or any other suitable shape.

5 Further, the shape of the mouthpiece may render the protrusions unnecessary to facilitate orientation of the valve. Moreover, the manner in which the fluid delivery tube is retained relative to the valve can be varied in dependence upon the relative size of the valve and the tube

10 and upon the pressure differential that is to be accommodated.

CLAIMS

1. A valve made of a resilient material, the valve
comprising a valve housing and at least two valve closure
5 elements, wherein:

the valve housing is closed around the periphery thereof so
as to define a flow path through which fluid passes through
the valve;

10

the valve closure elements are secured to the valve housing
in the region of the inner surface thereof and abut against
each other in a closed position of the valve, the valve
closure elements extending in the closed position of the
15 valve over at least a portion of each valve closure element
in a direction counter to the intended direction of flow of
fluid through the valve,

the arrangement being such that on urging spaced peripheral
20 portions of the valve housing towards each other, the valve
housing is caused to deform resiliently and to move the
valve closure elements over at least a portion of each
valve closure element in a direction counter to the
intended direction of flow of fluid through the valve,
25 thereby causing the valve closure elements to become spaced
from each other and to allow fluid to pass through the
valve.

2. A valve as claimed in claim 1, wherein the valve housing is cylindrical.

3. A valve as claimed in claim 2, wherein the valve closure elements are positioned at or towards that end of the cylindrical housing remote from the intended fluid inlet thereof.

4. A valve as claimed in claim 2 or 3, wherein the housing is provided internally thereof with an annular recess for receiving an external collar of a fluid delivery tube.

5. A valve as claimed in claim 2, 3 or 4, wherein the valve housing has a relatively thin wall thickness in the region of that end of the housing remote from the intended fluid inlet thereof compared with the wall thickness of the housing in the region of that end thereof adjacent to the intended fluid inlet thereof.

6. A valve as claimed in any preceding claim, wherein the valve housing is provided with protrusions to assist alignment of the valve.

7. A valve as claimed in claim 6, wherein two diametrically opposed protrusions are provided.

8. A valve as claimed in claim 6 or 7, wherein the valve housing extends significantly in the intended direction of fluid flow and the protrusions are spaced from that end of the housing remote from the intended fluid inlet thereof.

5

9. A valve as claimed in any preceding claim, wherein two valve closure elements are provided.

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10. A valve as claimed in claim 9, wherein each valve closure element is substantially semi-circular in section and is secured to the inner surface of the housing around the curved periphery of each valve closure element.

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11. A valve as claimed in claim 9 or 10, when dependent upon any one of claims 6 to 8, wherein the protrusions are arranged such that they lie along a line substantially perpendicular to the straight line between the two valve closure elements.

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12. A valve as claimed in any preceding claim, wherein the valve closure elements together form part of a conic surface.

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13. A valve as claimed in claim 12, wherein the valve closure elements together form part of a sphere.

14. A valve substantially as hereinbefore described with reference to, and as shown in, the accompanying drawings.

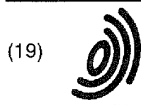
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Databases (see below) (i) UK Patent Office collections of GB, EP, WO and US patent specifications. (ii)	Date of completion of Search 12 SEPTEMBER 1994 Documents considered relevant following a search in respect of Claims :- 1-14

Categories of documents

X:	Document indicating lack of novelty or of inventive step.	P:	Document published on or after the declared priority date but before the filing date of the present application.
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A:	Document indicating technological background and/or state of the art.	&:	Member of the same patent family; corresponding document.

Category	Identity of document and relevant passages		Relevant to claim(s)
X	GB 2094443 A	(BLACK & DECKER) - Figure 2; page 1 lines 68-71, 96-105, protrusions 29 etc	1-3, 6-10, 12
X	GB 1490349	(GOOCH) - Figure 5, at least one set of tapering sides opposing direction of fluid flow etc	1, 2 at least
A	EP 0257880 A1	(VERNAY) - slit 20, portions of diaphragm 18 extending opposed to direction of fluid flow	1-3, 5, 13

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(54) **Beverage container provided with improved cap**

(57) Beverage container of plastic material, comprised of a body (11) and a cap (12), which enables the beverage to be sucked without any need for the container to be opened.

The cap (12) comprises a conduit (15) that enables a first tubing (18), which extends into the container, to communicate with a second flexible tubing (19) that is connected to a beverage sucking spout (20). The spout (20) is brought into its beverage sucking position by means of a snap-acting device (13) comprising an elastic tab (14) that is integral with the cap (12).

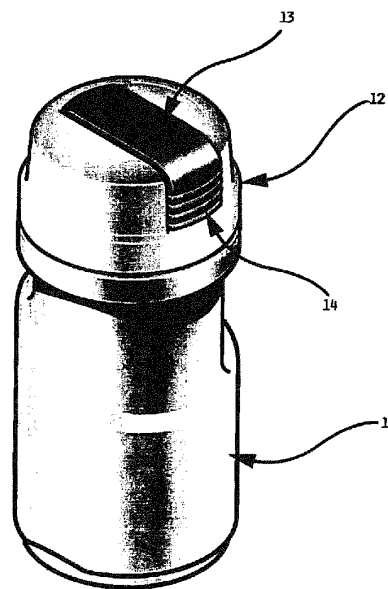


FIG. 1

EP 1 095 599 A2

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Description

tion thereof; and

[0001] The present invention refers to a beverage container made of plastic material and provided with an improved cap enabling the beverage to be sucked from the container through the same cap.

[0002] Beverage containers made of plastics are largely known in the art since a quite long time now. They generally consist of a cylindrical body that is provided with a mouth for both filling in and delivering or dispensing the beverage, in which said mouth is plugged by a cap that is screwed on thereto.

[0003] More recently, use has started to be made of containers whose cap is provided with a closing or plugging device that is actuatable in a snap-like manner so as to offer the user a spout for sucking the beverage contained inside the container. To this purpose, the cap is crossed through by a rigid conduit that establishes a communication between a first tubing, which extends into the container down to the bottom thereof, and a second flexible tubing, which connects to the beverage sucking spout. Such a beverage sucking spout is hinged on in said snap-acting device, which in turn is hinged on in the cap. The opening of said plugging device is operated by means of a spring-loaded push-button that slides in an appropriate accommodating recess provided in the cap of the container.

[0004] The above-described prior-art solution, however, has a number of drawbacks. First of all, the cap itself is formed by a considerable number of single elements that must be manufactured separately and then be assembled in a quite complex operation. The opening and closing push-button and the related spring can quite easily slip out of their accommodating seat. In particular, such a drawback becomes dangerous in the case that the container is used by children, ie. the typical users of articles of such a kind, who may in fact run the risk of swallowing the piece that has so come off. In any case, the possible loss of the push-button or the spring causes the container to become fully useless, since it cannot be closed any longer.

[0005] It therefore is a main purpose of the present invention to provide a beverage container that is provided with an improved cap, ie. a cap that is made up by a minimum number of pieces, in which these pieces are in turn attached in a safe and reliable manner to the cap itself.

[0006] This aim is reached in a container according to the present invention, whose innovative feature is as defined in the appended claim and is described below by way of non-limiting example with reference to the accompanying drawings, in which:

- Figure 1 is a side view of a beverage container according to the present invention;
- Figure 2 is a cross-sectional view of the cap of the container illustrated in Figure 1, in the closed position thereof; and

- Figure 3 is a cross-sectional view of the cap of the container illustrated in Figure 2, in the opened position thereof.

[0007] The beverage container according to the present invention is constituted by a substantially cylindrical body 11 (Fig. 1) and a cap 12, which is normally screwed on to the mouth opening of the body 11. The cap 12 is provided with a snap-acting closing device 13, which is adapted to be actuated by means of an elastic tab 14, as this will be described in greater detail further on.

[0008] The cap 12 is provided with a profiled inner section that defines (Figs. 2 and 3) a rigid vertical conduit 15, a receptacle with a sunken bottom 16, and an abutment projection 17.

[0009] The conduit 15 enables the interior of the container 11 to communicate with the interior of the cap 12. To the lower end portion of the conduit 15 there is connected a first tubing 18, that extends into the container down to the bottom thereof, whereas to the upper end portion of the conduit 15 there is connected a second tubing 19, which is flexible and carries at its free end, duly attached thereto, a spout 20 for sucking the beverage contained in the container.

[0010] The receptacle 16, which is provided inside the cap 12, is closed by a cover 21, whose upper portion is hinged on to the same cap and which is provided with an appendix 22 directed towards the interior of the receptacle 16. To the lower end portion of the appendix 22 there is hinged on the beverage sucking spout 20, in such a manner as to cause the flexible tubing 19 to be bent into the receptacle 16 and the spout 20 to come to rest against the abutment projection 17 when the cover 21 is in its closed position (Figure 2). Liquid is in this way effectively prevented from leaking when handling the container.

[0011] According to the present invention, the closing device 13 of the cap 12 comprises a snap-fitting arrangement, which is implemented between a tooth 25 provided on the free edge of the cover 21 and a tooth 26 provided at an end portion of the profiled tab 14. The tab 14 is elastic and firmly joined to, ie. integral with the cap 12, so that a pressure exerted on the tab will cause the same to flex, thereby automatically releasing the teeth 25 and 26. The elasticity of the tubing 19 causes the cover 21 to open, in such a manner as to enable the spout 20 to be presented to the user in a convenient position for the beverage to be sucked (Figure 3).

[0012] Similarly, by pressing the cover 21 against the tab 14 the teeth 25 and 26 are caused to get engaged, by making use of the elasticity of the tab 14, in such a manner as to cause the device to snap back into its closed position.

[0013] Conclusively, the arrangement according to the present invention enables the closure of the con-

tainer to be implemented and performed in a safe and reliable manner, while eliminating two separate parts (push-button and spring) that are replaced by a single part (tab 14) integrated in the cap 12. With this solution the risk for the container to become useless and the potential danger for the user are done away with, said situations of risk and danger arising from parts of the closing device coming possibly off accidentally.

Claims

1. Beverage container, made of plastic material and provided with an improved cap that enables the beverage to be sucked, in which said cap (12) comprises a conduit (15) that enables a first tubing (18), which extends into the container, to communicate with a second flexible tubing (19), which connects to a beverage sucking spout (20), in which said beverage sucking spout is hinged on in a snap-acting closing device (13) that is in turn hinged on in the cap, wherein said container is **characterized in that** the snap-acting closing device (13) comprises an elastic tab (14) which is integral with said cap (12) and adapted to flex so as to actuate said closing device and release said beverage sucking spout.

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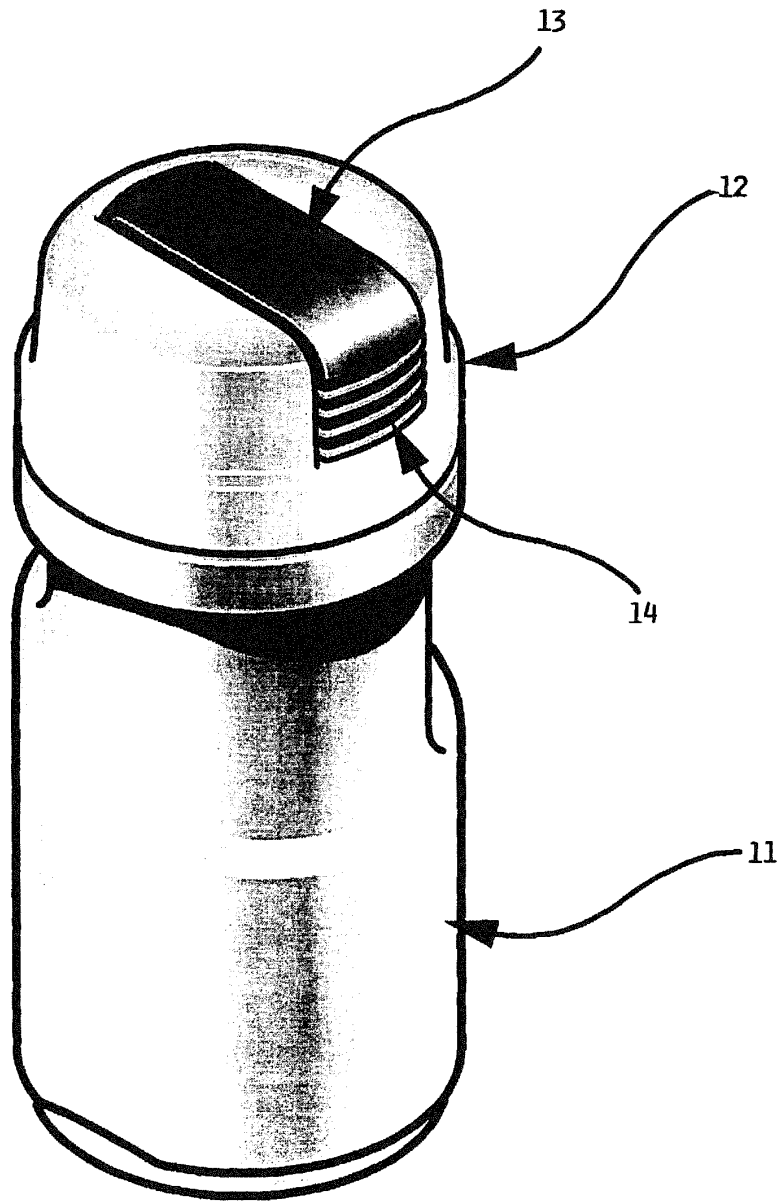
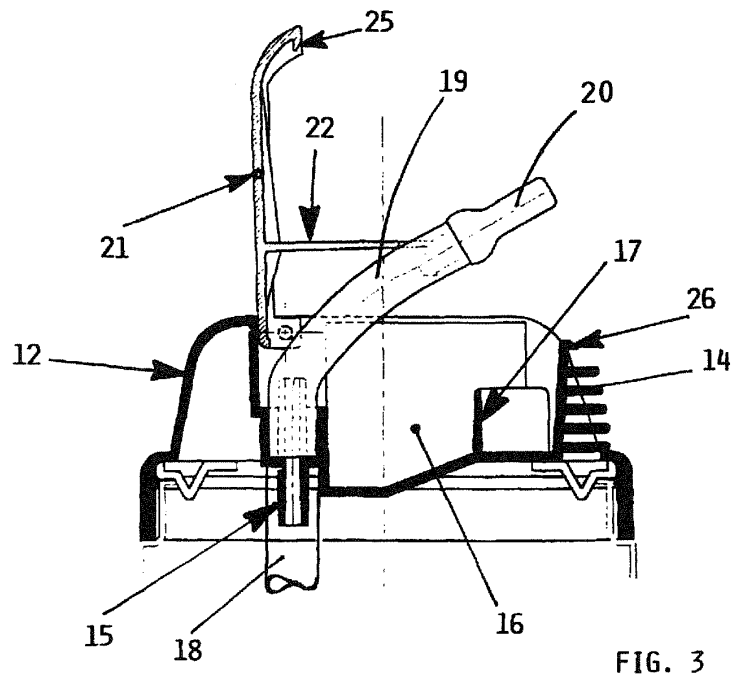
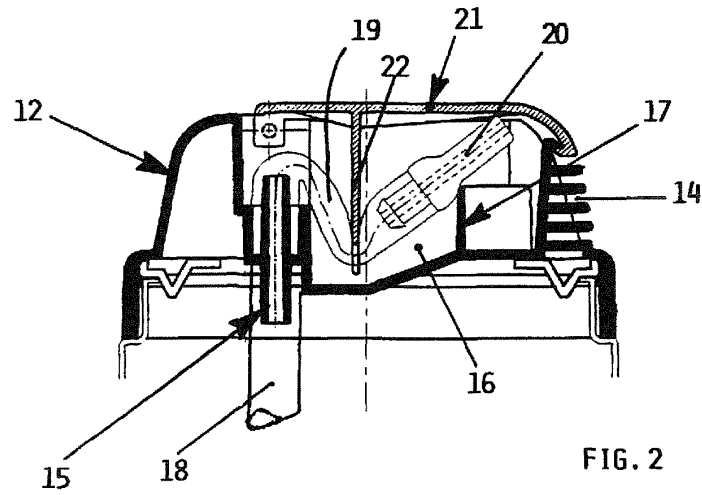


FIG. 1



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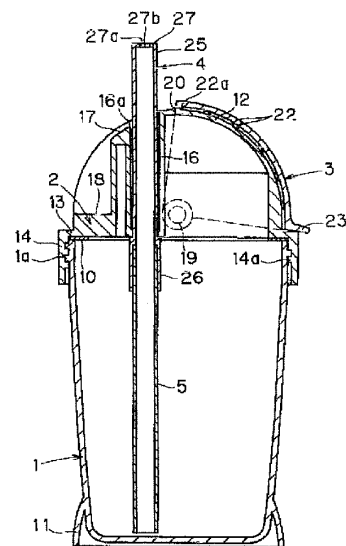
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(54) 【発明の名称】 カップ

(57) 【要約】

【課題】 容器本体を倒しても、内容物がストローを通して外部にこぼれ出すことがないカップを提供する。

【解決手段】 有底筒状に形成されたボトル 1 と、このボトル 1 の上端開口部を蓋するキャップ 2 とを備え、柔軟な材料で作製されたストロー 4 をキャップ 2 の上面から突出させ、ストロー 4 の先端開口を閉塞壁 27 で閉塞するとともに、この閉塞壁 27 に切り目 27 a, 27 b を形成し、キャップ 2 の上面に沿って摺動しうるオーバーキャップ 3 をキャップ 2 に取り付け、オーバーキャップ 3 を一側に移動させた状態ではストロー 4 がキャップ 2 の上面から突出して吸引可能状態になり、オーバーキャップ 3 を他側に移動させた状態ではストロー 4 がオーバーキャップ 3 で倒されてオーバーキャップ 3 の下側に隠れるように構成している。



1 : ボトル
2 : キャップ
3 : オーバーキャップ
4 : ストロー
27 : 閉塞壁
27a, 27b : 切り目

【特許請求の範囲】

【請求項1】 有底筒状に形成された容器本体と、この容器本体の上端開口部を蓋する蓋体とを備え、柔軟な材料で作製されたストローを上記蓋体の上面から突出させ、上記ストローの先端開口を閉塞壁で閉塞するとともに、この閉塞壁に切り目を形成し、上記蓋体の上面に沿って摺動しうる摺動蓋を上記蓋体に取り付け、上記摺動蓋を一侧に移動させた状態では上記ストローが蓋体の上面から突出して吸引可能状態になり、上記摺動蓋を他側に移動させた状態では上記ストローが摺動蓋で倒されて摺動蓋の下側に隠れるように構成したことを特徴とするカップ。

【請求項2】 上記容器本体および蓋体の少なくとも一方に把手が設けられている請求項1記載のカップ。

【請求項3】 上記摺動蓋を他側に移動させた状態では上記ストローの一部が摺動蓋で押圧されてこの押圧された部分で内容物の通過が阻止されている請求項1または2記載のカップ。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は、乳児用品もしくは介護用品等として、赤ちゃんもしくはお年寄り等が吸引するのに適したストロー付きのカップに関するものである。

【0002】従来から、赤ちゃん用等として、ミルク等の内容物を収容したカップ、瓶等の各種容器が提案されている。このような容器として、例えば、実開平2-43260号公報には、コップを傾けた際にコップ内のミルク等がストローから多量に流出するのを防ぐようにした幼児用コップが提案されている。この幼児用コップは、図11に示すように、容器本体41と、この容器本体41を蓋する蓋体42と、この蓋体42の内筒部42aを蓋するキャップ43と、このキャップ43の注ぎ口43a（図12参照）から突出するストロー44と、上記注ぎ口43aに取り付けたフード固定具45とを備えている。また、このフード固定具45を、図12に示すように、上記注ぎ口43aに取り付けた円環状のベースリング46と、このベースリング46に着脱自在に固定したフード本体47と、ベースリング46とフード本体47を連結するベルト48とで構成している。そして、未使用時には、ベースリング46にフード本体47を固定し、これにより、フード本体47でストロー44の先端を保護するとともに、ミルク等が多量に流出するのを防いでいる。一方、使用時には、フード本体47をベースリング46から取り外し、これにより、ストロー44の先端を外部に露呈させ、赤ちゃん等が口唇でストロー44の先端からミルク等を吸引できるようにしている。

【0003】

【発明が解決しようとする課題】しかしながら、上記の幼児用コップでは、ミルク等を吸引するために、フード

本体47をベースリング46から取り外しているときに、赤ちゃん等が容器本体41を倒すと、ミルク等がストロー44を通り、外部に多量にこぼれ出す。また、ベースリング46にフード本体47を固定しているときにも、赤ちゃん等が容器本体41を倒すと、ミルク等がストロー44を通り、フード本体47内に充满する。

【0004】本発明は、このような事情に鑑みなされたもので、容器本体を倒しても、内容物がストローを通過して外部にこぼれ出すことがないカップの提供をその目的とする。

【0005】

【課題を解決するための手段】上記の目的を達成するため、本発明のカップは、有底筒状に形成された容器本体と、この容器本体の上端開口部を蓋する蓋体とを備え、柔軟な材料で作製されたストローを上記蓋体の上面から突出させ、上記ストローの先端開口を閉塞壁で閉塞するとともに、この閉塞壁に切り目を形成し、上記蓋体の上面に沿って摺動しうる摺動蓋を上記蓋体に取り付け、上記摺動蓋を一侧に移動させた状態では上記ストローが蓋体の上面から突出して吸引可能状態になり、上記摺動蓋を他側に移動させた状態では上記ストローが摺動蓋で倒されて摺動蓋の下側に隠れるように構成したという構成をとる。

【0006】すなわち、本発明のカップは、有底筒状に形成された容器本体と、この容器本体の上端開口部を蓋する蓋体とを備えており、柔軟な材料で作製されたストローを上記蓋体の上面から突出させ、上記ストローの先端開口を閉塞壁で閉塞するとともに、この閉塞壁に切り目を形成している。また、上記蓋体の上面に沿って摺動しうる摺動蓋を上記蓋体に取り付け、上記摺動蓋を一侧に移動させた状態では上記ストローが蓋体の上面から突出して吸引可能状態になり、上記摺動蓋を他側に移動させた状態では上記ストローが摺動蓋で倒されて摺動蓋の下側に隠れるように構成している。したがって、本願発明のカップは、使用時には、上記蓋体の上面に沿って摺動蓋を一侧に移動させ、上記ストローを蓋体の上面から突出させて吸引可能状態にする。これにより、赤ちゃん等が口唇でストローの先端開口を閉塞する閉塞壁を押圧等して変形させると、閉塞壁に形成した切り目が拡がり、ここに生じる隙間から内容物を吸引することができる。また、赤ちゃん等の口唇の吸引力を強めるための訓練にも利用できる。また、上記一侧に移動させているときに、容器本体を倒しても、通常の状態（閉塞壁が変形していない状態）では上記切り目は閉じているため、内容物がストローを通過して外部にもれ出ることがない。一方、未使用時には、上記蓋体の上面に沿って摺動蓋を他側に移動させ、ストローを摺動蓋の下側に隠すようにする。これにより、ストローの先端に埃がつくことがなく、また、ストローの先端が摺動蓋で保護される。このように、本発明のカップでは、赤ちゃん等が吸引の途中

等で容器本体を倒しても、内容物がストローを通過して外部にもれ出ることがない。なお、本発明において、「蓋体の上面に沿って摺動しうる摺動蓋」とは、蓋体がドーム状に形成されている場合には、摺動蓋が蓋体の上面に沿って回転することを意味し、蓋体が平板状に形成されている場合には、摺動蓋が蓋体の上面に沿って直線的に移動しうることを意味するものである。

【0007】本発明において、上記摺動蓋を他側に移動させた状態では上記ストローの一部が摺動蓋で押圧されこの押圧された部分で内容物の通過が阻止されている場合には、上記状態で容器本体を倒しても、上記押圧された部分を内容物が通過しないため、内容物がストローを通過して外部にこぼれ出ることがない。

【0008】つぎに、本発明を詳しく説明する。

【0009】本発明のカップは、容器本体と蓋体と摺動蓋とストローを有している。

【0010】本発明のカップにおいて、容器本体および蓋体の少なくとも一方に把手が設けられていると、マグカップとして使用することができる。この場合に、2つの把手が設けられていると、赤ちゃん等がマグカップを両手で持つこともできるし、片手で持つ訓練を行うこともできる。また、上記容器本体に収容される内容物としては、ミルク、ジュース等の液体（主に、乳児用のもの）が用いられるが、これに限定するものではなく、液体以外のものを用いてもよい。

【0011】上記ストローは、柔軟な材料で作製されている。このような柔軟な材料としては、シリコン、エラストマー等の各種材料が挙げられる。また、上記ストローには、その先端開口を閉塞する閉塞壁に切り目が形成されている。この切り目の隙間は、非常に小さい値（例えば、 $0\mu\text{m}$ に近い値）に設定されており、容器本体が倒れても、内容物が切り目からすぐにこぼれ出ることはない。

【0012】

【発明の実施の形態】つぎに、本発明の実施の形態を図面にもとづいて詳しく説明する。

【0013】図1および図2は本発明のカップの一実施の形態を示している。この実施の形態では、カップとしてマグカップを用いている。図1および図2において、1はミルク等の内容物を収容するボトル（容器本体）であり、2はこのボトル1を蓋するキャップ（蓋体）であり、3は上記キャップ2に回転自在に取り付けたオーバーキャップ（摺動蓋）であり、4はストローである。

【0014】上記ボトル1は、透明な底筒状に形成されており、その外周面下端部から環状突起部11が突設されている。また、上記ボトル1の外周面上端部に、図3および図4に示すように、後述するキャップ2のねじ部14aにら合するねじ部1aが形成されている。

【0015】上記キャップ2は、図4に示すように、ドーム状に形成される蓋部12と、この蓋部12の外周面

下端部から突設される円環状の鍔部13と、この鍔部13の外周縁部下面から垂下する円筒状の係合壁部14と、この係合壁部14の外周面から突設される一対の把手15（図3参照）とからなり、上記係合壁部14の内周面に、上記ボトル1の外周面上端部のねじ部1aにら合するねじ部14aが形成されている。図3および図4において、10は上記鍔部13の下面に設けられたパッキンである。

【0016】上記蓋部12には、ドーム状の頂上部から一側（図面では、左側）に少し偏心した位置に、上記ストロー4を挿通しうる円筒壁部16が垂下しており、この円筒壁部16の上端開口部16a（円筒壁部16が蓋部12に開口している部分）から左側下方に向かって（蓋部12の外周面よりやや低く形成された）段落ち部17が少し延びている。また、この段落ち部17の下端面に続くようにして、上記蓋部12の左側部分に凹部18が形成されている（図4参照）。

【0017】また、上記蓋部12には、その外周面下端部に、前後に相對峙する状態で、後述するオーバーキャップ3の係合凹部21に回転自在に係合する前後一対の軸部19（図3参照）が突設されている。また、上記蓋部12の外周面には、左右方向中央部より少し右側に寄った位置（オーバーキャップ3を最も右側に回転させた状態で、オーバーキャップ3の左端縁部に対応する位置）に、略半円弧状の突条20（図4参照）が前後方向に沿って突設されている。

【0018】上記オーバーキャップ3は、上記蓋部12の外周面の右側部分もしくは左側部分を略覆う半ドーム状に形成されており、その角部の内面に、前後に相對峙する状態で、上記キャップ2の各軸部19に回転自在に係合する前後一対の係合凹部21が形成されている。また、上記オーバーキャップ3には、その内周面の前後方向中央部に、左右方向に並列状に並ぶ複数列の小突起22（図4にのみ図示する）が突設されている。これら小突起22は、オーバーキャップ3を左側に回転させるときにストロー4の外周面に点接触状に当接するため、オーバーキャップ3の内周面がストロー4の外周面に面接触状に当接する場合よりも摩擦を小さくすることができる。また、上記小突起22のうち、最も左側に位置する小突起22a（上記オーバーキャップ3の左端縁部に位置するもの）は、その先端が鋭角に形成されており、かつ、上記キャップ2の突条20に着脱自在に係合するようにしている。これにより、上記オーバーキャップ3を最も右側に回転させたときに、上記キャップ2の突条20と上記最も左側に位置する小突起22aとが係合し、かつ、この係合時に音が鳴るようにしている。図4において、23は摘み部である。

【0019】上記ストロー4は、円筒状に形成されており、上記キャップ2の円筒壁部16に挿通される小径部25（この小径部25は円筒壁部16より長く形成され

ており、円筒壁部16から突出している」と、上記キャップ2の円筒壁部16の下端開口部から突出する大径部26とが一連に成形されている。また、上記大径部26に、ボトル1内に配設されるパイプ5の上端部が着脱自在に固定されており、上記小径部25の先端開口に、十字状に交差する切り目27a、27bを設けた閉塞壁27が一体成形されている（図5および図6参照）。上記両切り目27a、27bは、通常の状態（変形させない状態）では密着しているが、赤ちゃん等が口唇等で押圧して閉塞壁27を変形させると拡がり（図7参照）、これにより生じる隙間から内容物を吸引できるようにしている。なお、この実施の形態では、マグカップに空気孔を設けていない。これは、赤ちゃん等が内容物を吸い出している途中でボトル1内が負圧になり吸い出しにくくなっても、ストロー4の先端から口唇を離すと、このときに、切り目27a、27bから空気がボトル1内に流入し、吸い出しやすくなるためである。

【0020】上記構成において、未使用時には、図8および図9に示すように、オーバーキャップ3を最も左側に回動させ、オーバーキャップ3でストロー4を覆うようにする。この状態では、オーバーキャップ3が鉤部13で支受されている。また、ストロー4は、キャップ2から突出している部分が、オーバーキャップ3で折り曲げられて凹部18に収容されているとともに、段落ち部17において、オーバーキャップ3の小突起22で押圧されており、この押圧された部分でストロー4内の通路が塞がれているため、内容物がストロー4を通過してオーバーキャップ3の内側（すなわち、上記蓋部12の凹部18）にこぼれ出ることがない（図10参照）。一方、使用時には、図1および図2に示すように、オーバーキャップ3を最も右側に回動させ、ストロー4をキャップ2から突出させるようにする。この状態でも、オーバーキャップ3が鉤部13で支受されている。また、赤ちゃん等がストロー4の先端開口を口唇等で押圧すると、閉塞壁27が変形して閉塞壁27の両切り目27a、27bが拡がり、これにより生じる隙間から内容物を吸い出すことができる。また、ストロー4をキャップ2から突出させた状態で赤ちゃん等がボトル1を倒しても、上記両切り目27a、27bが密着しており、内容物がストロー4を通過して外部にこぼれ出ることがない。

【0021】上記のように、この実施の形態では、使用時には、離乳期前後（生後8ヶ月～12ヶ月）の赤ちゃん等が口唇で、キャップ2から突出するストロー4を押圧等して変形させて、閉塞壁27の両切り目27a、27bを拡げることにより、内容物を吸引できるようになる。また、赤ちゃん等の口唇の吸引力を強めるための訓練にもなる。また、ストロー4がキャップ2から突出する状態でボトル1を倒しても、両切り目27a、27bは密着しており、内容物が外部にもれ出ることがない。一方、未使用時には、ストロー4がオーバーキャップ3

で隠れるため、ストロー4に埃がつくことがなく、また、ストロー4の保護にもなる。また、ストロー4がオーバーキャップ3の小突起22で押圧されてストロー4内の通路が塞がれているため、ボトル1を倒しても、内容物がストロー4を通過して外部にもれ出ることがない。また、ストロー4の大径部26にパイプ5の上端部が着脱自在に固定されているため、ストロー4だけを交換することもできる。また、キャップ2に一对の把手15を突設しているため、赤ちゃん等が両方の把手15を両手で持つこともできるし、片方の把手15だけを片手で持つ訓練を行うこともできる。

【0022】

【発明の効果】以上のように、本発明のカップによれば、使用時には、蓋体の上面に沿って摺動蓋を一側に移動させ、ストローを蓋体の上面から突出させて吸引可能状態にするため、赤ちゃん等が口唇でストローの先端開口を閉塞する閉塞壁を押圧等して変形させると、閉塞壁に形成した切り目が拡がり、ここに生じる隙間から内容物を吸引することができる。また、赤ちゃん等の口唇の吸引力を強めるための訓練にも利用できる。また、上記一側に移動させているときに、容器本体を倒しても、通常の状態（閉塞壁が変形していない状態）では上記切り目は閉じているため、内容物がストローを通過して外部にもれ出ることがない。一方、未使用時には、上記蓋体の上面に沿って摺動蓋を他側に移動させ、ストローを摺動蓋の下側に隠すようにする。これにより、ストローの先端に埃がつくことがなく、また、ストローの先端が摺動蓋で保護される。このように、本発明のカップでは、赤ちゃん等が吸引の途中等で容器本体を倒しても、内容物がストローを通過して外部にもれ出ることがない。

【0023】本発明において、容器本体および蓋体の少なくとも一方に把手が設けられている場合には、マグカップとして使用することができる。この場合に、2つの把手が設けられていると、赤ちゃん等がマグカップを両手で持つこともできるし、片手で持つ訓練を行うこともできる。

【0024】本発明において、上記摺動蓋を他側に移動させた状態では上記ストローの一部が摺動蓋で押圧されるこの押圧された部分で内容物の通過が阻止されている場合には、上記状態で容器本体を倒しても、上記押圧された部分を内容物が通過しないため、内容物がストローを通過して外部にこぼれ出ることがない。

【図面の簡単な説明】

【図1】本発明のカップの一実施の形態を示す正面図である。

【図2】上記カップの側面図である。

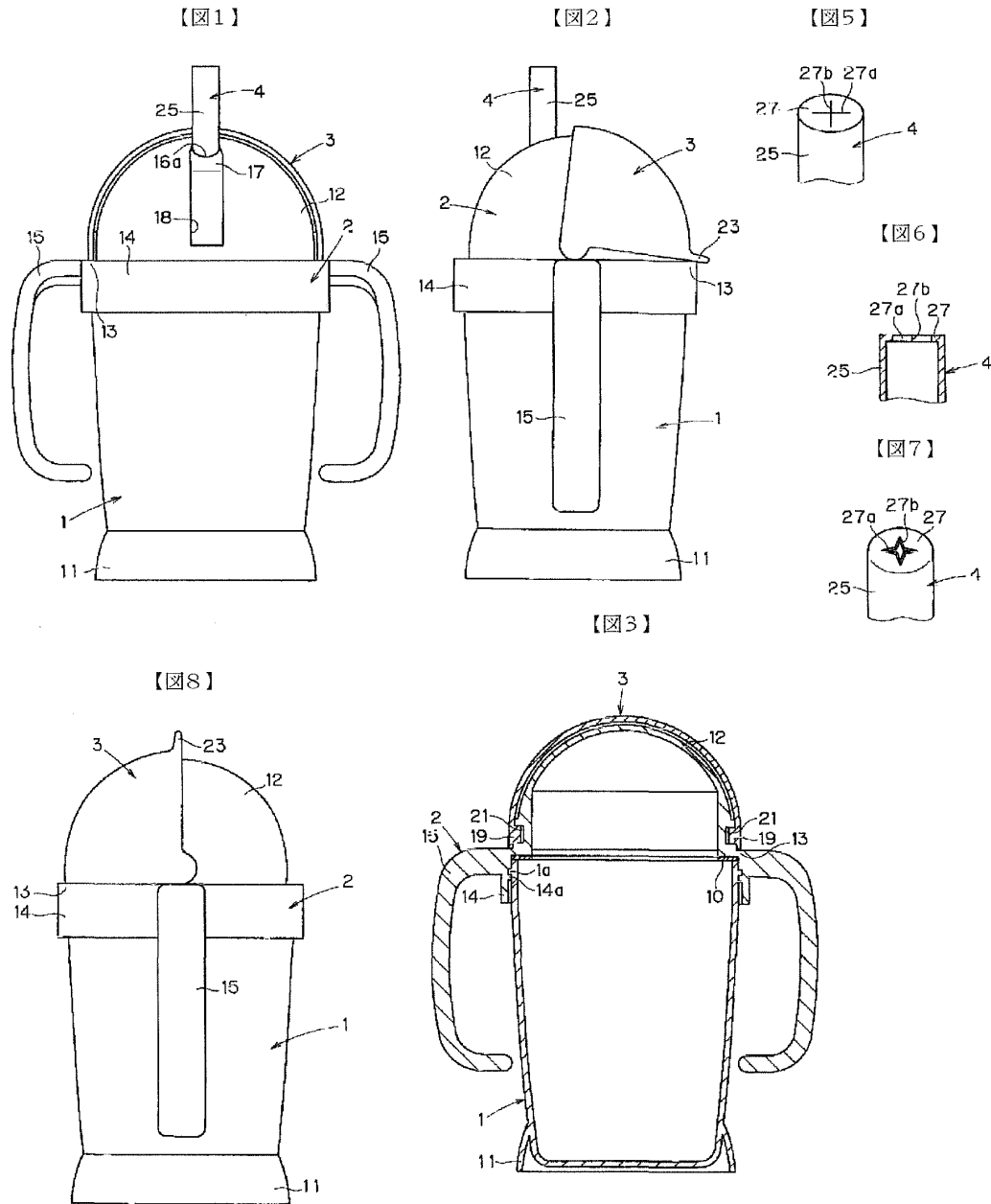
【図3】上記カップの断面図である。

【図4】上記カップの要部の断面図である。

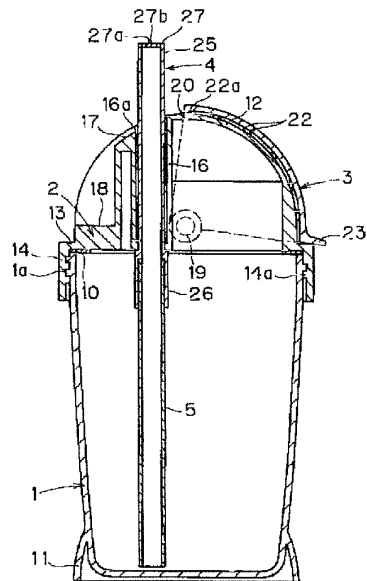
【図5】ストローの要部の説明図である。

【図6】上記ストローの要部の断面図である。

- 【図7】上記ストローの作用を示す説明図である。
 【図8】未使用状態のカップの側面図である。
 【図9】未使用状態のカップの正面図である。
 【図10】未使用状態のカップの要部の断面図である。
 【図11】従来例を示す断面図である。
 【図12】上記従来例の要部を示す断面図である。
 【符号の説明】
- 1 ボトル
 2 キャップ
 3 オーバーキャップ
 4 ストロー
 27 閉塞壁
 27a, 27b 切り目

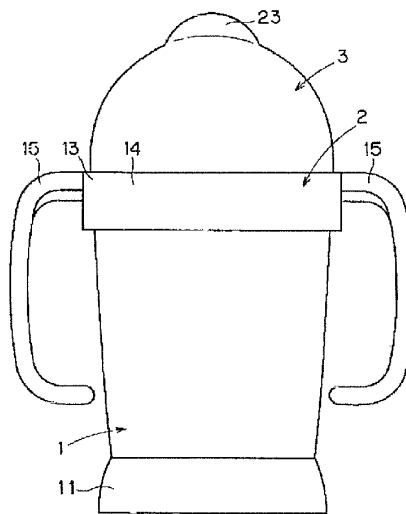


【図4】

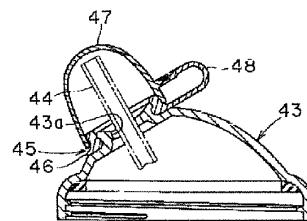


1 : ボトル
2 : キャップ
3 : オーバーキャップ
4 : ストロー
27 : 閉塞壁
27c, 27b : 切り目

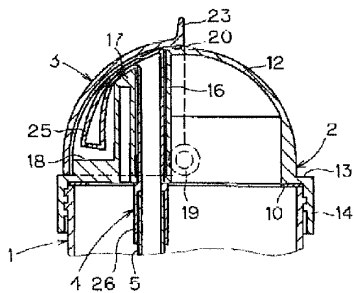
【図9】



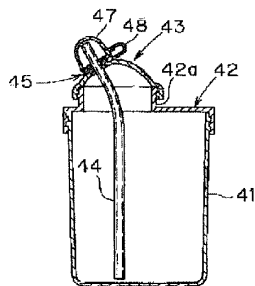
【図12】



【図10】



【図11】



フロントページの続き

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LA02 LA18 LB02 LC02 LC04

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First Named Inventor/Applicant Name:		JEFF DAVIES		
Filer:		David S. D'Ascenzo/Robin Davin		
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Customer Number:	78569
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The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Supplemental_Information_Disclosure_Statement_KRN356A_10-22-13.pdf	126434 5b15fe2495b2c1e5116155fc250369cb5f154fe5	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	3	
Warnings:					
Information:					
2	Foreign Reference	EP0266067A1_KRN356A.pdf	691807 e59e60f974a68b877ca6671f3ba90f803baf dace	no	16
Warnings:					
Information:					
3	Foreign Reference	GB2279130A_KRN356A.pdf	519530 4fc78ba6e9c5d94a4613d9ee88363eb39f283783	no	14
Warnings:					
Information:					
4	Foreign Reference	EP1095599A2_KRN356A.pdf	200295 65730ebde1a9b7f8bfb8c58e297ac10d2912201e	no	5
Warnings:					
Information:					
5	Foreign Reference	JP2002326655A_KRN356A.pdf	495297 747aff0317470038801a1e9ec6a70caf7ca19c47	no	6
Warnings:					
Information:					
6	Non Patent Literature	English_Abstract_JP2002326655A_KRN356A.pdf	9112 8caf089f76493a6426ee9517fdaf91b8e46f9e9	no	1
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Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	30225 7318469ebf19d07562a9a5d717c595e608d6cb19	no	2
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Total Files Size (in bytes):	2072700
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: October 22, 2013
Atty. Docket No.: KRN 356A

In re Application of:
JEFF DAVIES and DEREK GAVIN SULLIVAN

Serial No. : 13/479,962 Group Art Unit: 3788
Filed : May 24, 2012 Examiner: Robert Poon
For : DRINK CONTAINERS

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicants are submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the U.S. Patent and Trademark Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 form. The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicants respectfully request that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the “references cited” on any patents issuing therefrom.

CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) one page of PTO-1449 forms, and (2) a legible copy of each foreign and non-patent reference, if any, listed on the forms. However, because this application was filed on or after July 1, 2003, no copies of U.S. patents or published U.S. patent applications are included.

Page 1 - SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT ...;
Serial No. 13/479,962

FOREIGN LANGUAGE REFERENCES

For each foreign document for which there is no English translation, an English-language abstract is being filed herewith.

TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed after the mailing date of any of a final Office action under 37 C.F.R. § 1.113, a notice of allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution in the application. In accordance with 37 C.F.R. § 1.97(e)(2), the undersigned states that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. In accordance with 37 C.F.R. § 1.97(d)(2), the fee set forth in 37 C.F.R. § 1.17(p) is being submitted herewith.

Respectfully submitted,

CERTIFICATE OF E-FILING

I hereby certify that this correspondence, the accompanying PTO-1449 form, 4 foreign patent references and 1 non-patent reference are being transmitted electronically via the United States Patent and Trademark Office's EFS-Web System on October 22, 2013.


David S. D'Ascenzo

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
78569 7590 08/30/2013 DASCENZO Intellectual Property Law, P.C. 1000 SW Broadway, Suite 1555 Portland, OR 97205			EXAMINER POON, ROBERT	
			ART UNIT 3788	PAPER NUMBER
			MAIL DATE 08/30/2013	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

DETAILED ACTION

1. The present application is being examined under the pre-AIA first to invent provisions.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-2, 5-9, 16-17, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 2007/0039959 to Choi et al. (Choi) in view of either of US Patent No. 6,745,949 to Lee or US Patent No. 5,273,172 to Rossbach et al.

Regarding claim 1, 21, Choi discloses a drink container (10), comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from

the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§0034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region (§0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60), with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

Regarding claim 2, the modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular, the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

Regarding claim 5, the modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Regarding claim 6, Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Regarding claim 7, Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Regarding claim 8, Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Regarding claim 9, Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Regarding claim 16, Choi further teaches a straw (180).

Regarding claim 17, Choi does not teach an air return assembly.

Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and

not directly above in dispensing configuration (Fig. 1) for providing a vent means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

4. Claims 10-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and further in view of US Patent No. 5,337,918 to Wang.

Regarding claim 10, Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw (col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30) adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

Regarding claim 11, the modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to

one of ordinary skill in the art to rearrange the parts such that the collar member engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Regarding claim 12, the collar engagement portion of the release mechanism (122) is capable of translating.

Regarding claim 13, the modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Regarding claim 14, Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

5. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and US Patent No. 5,582,320 to Lin.

Regarding claim 15, the modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses an anchor portion (51) with flanges (512). One of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

6. Claims 18, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee, Rossbach, Wang and Lin.

Regarding claims 18, 20, Choi discloses a drink container (10),
comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§10034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion,

wherein the tube includes a crimping region (¶0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60), with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to

dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

The modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular, the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

The modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Choi further teaches a straw (180).

The modified Choi does not teach an air return assembly. Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and not directly above in dispensing configuration (Fig. 1) for providing a vent means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw

(col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30) adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

The modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to one of ordinary skill in the art to rearrange the parts such that the collar member engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Choi discloses the collar engagement portion of the release mechanism (122) is capable of translating.

The modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

The modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses

an anchor portion (51) with flanges (512). One of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

Allowable Subject Matter

7. Claims 3-4, 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

2. Applicant's arguments filed 3/1/2013 have been fully considered but they are not persuasive. First, applicant argues that it would not be obvious to make the mouthpiece portion (72) of Choi integral or a unitary assembly with the tube (180, 190) of Choi. This is not persuasive since Choi discloses that it is within the scope of the disclosure that the tube may be integrated with the bite-actuated mouthpiece (¶0073, ll. 1-15).

3. Applicant argues that it would not be obvious to make integral the tube (180, 190) with the mount (182) and mouthpiece (72). However, Choi discloses that the tube (180) may be permanently coupled to the corresponding mount (182) (¶0072, ll. 1-15). (190) and (180) are part of the same structure which is the straw or tube. If Choi discloses that (190) and mouthpiece (72) can be integral and further discloses that mount (182) can be integral with (180), then one of ordinary skill would find it obvious that the entire assembly can be a unitary assembly.

4. Applicant further argues that anchor portion (182) does not restrict passage. However, note that claims are given their broadest reasonable interpretation and in the instant case, since the prior art has the structure as claimed, the anchor portion has the size capable of performing the reciting function.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT POON whose telephone number is (571)270-7425. The examiner can normally be reached on Monday thru Friday, 8:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Pickett can be reached on (571)272-4560. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. Gregory Pickett/
Supervisory Patent Examiner, Art Unit 3788

/R. P./
Examiner, Art Unit 3788

Search Notes 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
220	252, 705, 707-709	9/27/2012	rp
215	387-389,	9/27/2012	rp

SEARCH NOTES		
Search Notes	Date	Examiner
see EAST search history	9/27/2012	rp
inventor search	9/27/2012	rp
updated search	8/23/2013	rp

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/ROBERT POON/
Examiner.Art Unit 3788

Index of Claims 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	09/27/2012	08/23/2013						
	1	✓	✓						
	2	✓	✓						
	3	○	○						
	4	○	○						
	5	✓	✓						
	6	✓	✓						
	7	✓	✓						
	8	✓	✓						
	9	✓	✓						
	10	✓	✓						
	11	✓	✓						
	12	✓	✓						
	13	✓	✓						
	14	✓	✓						
	15	✓	✓						
	16	✓	✓						
	17	✓	✓						
	18	✓	✓						
	19	○	○						
	20	✓	✓						
	21	✓	✓						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

March 1, 2013

Atty. Docket No.: KRN 356A

In re Application of:
CamelBak Products, LLC

Inventors : JEFF DAVIES and DEREK GAVIN SULLIVAN

Serial No. : 13/479,962 Group Art Unit: 3788

Filed : May 24, 2012 Examiner: Robert Poon

For : DRINK CONTAINERS

Mail Stop AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

AMENDMENT AND RESPONSE TO OFFICE ACTION

Responsive to the Office action mailed on October 4, 2012, please consider the following amendment and remarks.

Amendment to the Specification	None.
Amendments to the Drawings	None.
Amendments to the Claims	Begin on page 2.
Remarks	Begin on page 13.

CLAIM AMENDMENTS

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application. Material to be inserted in claims is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in bold double brackets [[]].

1. (Original) A drink container, comprising:

a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid; and

a cap assembly removably coupled to the liquid container, the cap assembly comprising:

a base removably coupled to the neck of the liquid container and including a through-passage;

a first catch structure;

a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:

a mouthpiece portion that includes the outlet;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material;

an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly; and

a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

2. (Original) The drink container of claim 1, wherein the user release mechanism is mechanically coupled to the first catch structure.

3. (Original) The drink container of claim 1, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member that is configured to reversibly translate along

the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad away from a position where the sliding member disengages the first and the second catch structures.

4. (Original) The drink container of claim 3, wherein the sliding member further includes a collar engagement portion that projects from the sliding member and which is configured to force disengagement of the first and the second catch structures upon actuation of the user release mechanism.

5. (Original) The drink container of claim 1, wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration.

6. (Original) The drink container of claim 1, wherein the cap assembly further includes a handle that projects away from the base of the cap assembly and a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration.

7. (Original) The drink container of claim 1, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

8. (Original) The drink container of claim 1, wherein the mouthpiece portion permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration.

9. (Original) The drink container of claim 1, wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.

10. (Original) The drink container of claim 1, wherein the mouthpiece assembly further includes a rigid collar member that is pivotally coupled to the base and which includes a crimping portion; wherein the tube of the mouthpiece assembly extends at least partially through the rigid collar member; wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the

crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration.

11. (Original) The drink container of claim 10, wherein the rigid collar member includes the second catch structure, and further wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member.

12. (Original) The drink container of claim 11, wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly.

13. (Original) The drink container of claim 10, wherein the mouthpiece portion includes a seat for the rigid collar member in which the rigid collar member engages the mouthpiece portion, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

14. (Original) The drink container of claim 10, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion.

15. (Original) The drink container of claim 1, wherein the anchor portion includes a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage.

16. (Original) The drink container of claim 1, wherein the drink container includes a straw with a first end that extends into the liquid container and a second end that extends into the liquid passage and is retained therein by the friction-fit arrangement.

17. (Original) The drink container of claim 1, wherein the cap assembly further includes:

an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

18. (Original) A drink container, comprising:

a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid;

a cap assembly removably coupled to the liquid container, the cap assembly comprising:

a base removably coupled to the neck of the liquid container and including a through-passage;

a first catch structure;

a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:

a mouthpiece portion that includes the outlet and permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration, wherein the mouthpiece portion includes a seat;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration;

an anchor portion extending from the tube distal the mouthpiece portion and including a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-

passage of the base of the cap assembly, wherein the anchor portion, the mouthpiece portion, and the tube are constructed as a unitary assembly of the resiliently deformable material; and

a rigid collar member that is pivotally coupled to the base and which includes a crimping portion, wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, wherein the rigid collar member includes a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration, wherein the rigid collar member engages the seat of the mouthpiece portion and restricts relative movement between the mouthpiece portion and the rigid collar member, and wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion;

a handle that projects away from the base of the cap assembly;

a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration;

a user release mechanism configured to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration; wherein the user release mechanism includes a collar engagement portion that is

adapted to engage the rigid collar member; and further wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly; and

an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

19. (Original) The drink container of claim 18, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member from which the collar engagement portion extends and which is configured to reversibly translate along the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad

away from a position where the sliding member disengages the first and the second catch structures.

20. (Original) The drink container of claim 18, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

21. (Currently amended) A drink container, comprising:
a liquid container; and
a cap assembly removably coupled to the liquid container, the cap assembly comprising:
a base that defines a through-passage;
a mouthpiece assembly that extends through the through-passage of the base and defines a liquid passage, wherein the mouthpiece assembly has a dispensing configuration and a stowed configuration, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly includes:
a resilient mouthpiece portion that permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration;

a resilient tube connected to the mouthpiece portion and including a crimping region that is adapted to restrict flow of drink liquid through the mouthpiece assembly when the mouthpiece assembly is in the stowed configuration; and

a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly, and wherein the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly; and

a user release mechanism adapted to automatically release the mouthpiece assembly from the stowed configuration to the ~~dispensing~~ **dispensing** configuration via the bias of the mouthpiece assembly.

REMARKS

The above amendment and these remarks are responsive to the Office action mailed on October 4, 2012. In the Office action, claims 3–4 and 19 were indicated to be allowable if rewritten into independent form, and the remaining claims were rejected. Specifically, claims 1–2, 5–9, 16–17, and 21 were rejected as being obvious over a proposed combination of U.S. Patent Application Publication No. 2007/0039959 to Choi et al. (“Choi”) and either U.S. Patent No. 6,745,949 to Lee (“Lee”) or U.S. Patent No. 5,273,172 to Rossbach et al. (“Rossbach”). Claims 10–14 were rejected as being obvious over a proposed combination of Choi, Lee, and U.S. Patent No. 5,337,918 to Wang (“Wang”). Claim 15 was rejected as being obvious over a proposed combination of Choi, Lee, and U.S. Patent No. 5,582,320 to Lin (“Lin”). Claims 18 and 20 were rejected as being obvious over a proposed combination of Choi, Lee, Rossbach, Wang, and Lin. Applicant has studied the reasons expressed in the Office action for rejecting the claims and respectfully disagrees with and traverses all of the rejections.

Applicant thanks the Examiner for the indication of allowable subject matter with respect to dependent claims 3–4 and 19; however, at this time, Applicant has not amended those claims into independent form. No substantive amendments are made to the claims, with the only amendment being a formal amendment to claim 21 to correct a typographical error that was not discovered until after the application was filed. Applicant respectfully requests reconsideration of the present application, including withdrawal of the rejections made in the first Office action, for the reasons discussed below.

All three of independent claims 1, 18, and 21 were rejected as obvious over one or more modifications of Choi. Independent claims 1 and 21 stand rejected based on a proposed combination of Choi and Lee or on a proposed combination of Choi and Rossbach, and

independent claim 18 stands rejected based on a proposed combination of Choi, Lee, Rossbach, Wang, and Lin. Applicant requests reconsideration and withdrawal of the rejections at least because the cited prior art simply does not disclose each and every element of the independent claims, and a person of ordinary skill in the art would not have been motivated to modify the cited prior art to arrive at the subject matter of the independent claims.

Specifically, the rejections of the independent claims are improper at least because none of the cited prior art references disclose, teach, or even suggest—and a person of ordinary skill in the art would not have been motivated to modify the cited prior art references to arrive at—at least the following subject matter of the independent claims (with emphasis):

- (claim 1) “*wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material; [and] an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly;*”
- (claim 18) “*an anchor portion extending from the tube distal the mouthpiece portion and including a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly, wherein the anchor portion, the mouthpiece portion, and the tube are constructed as a unitary assembly of the resiliently deformable material;*” and
- (claim 21) “*a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly, and wherein the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly.*”

As emphasized above, all three of independent claims 1, 18, and 21 recite an “anchor portion” that restricts passage of the anchor portion through the through-passage, and thus that restricts removal of the mouthpiece assembly via a top side of the cap assembly. Moreover, all three of independent claims 1, 18, and 21 recite a “unitary assembly” constructed from at least

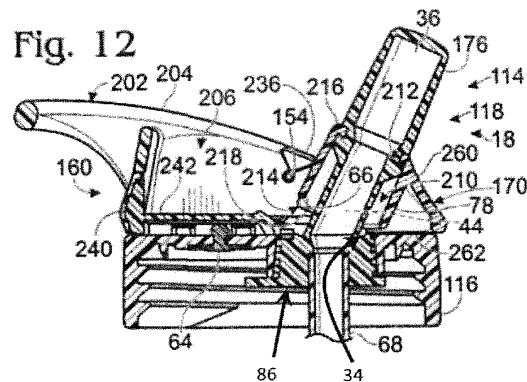
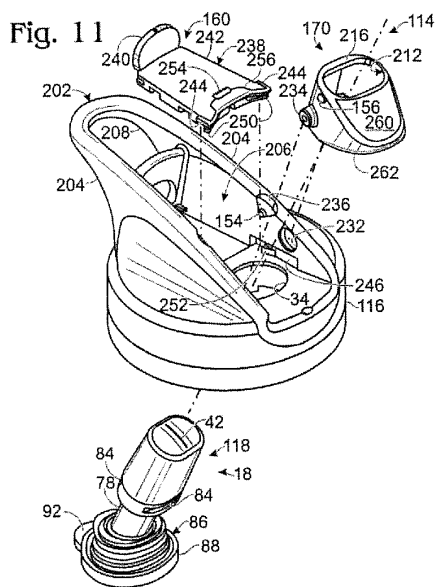
the mouthpiece portion and the tube. Independent claims 18 and 21 also recite that the unitary assembly is further constructed from the anchor portion.

Because the rejections of the independent claims all are based on the proposed combinations of the cited references disclosing the above subject matter, it follows that the failure of the cited references to do so is a reason for withdrawal of the rejections of not only these independent claims, but also the rejections of all of the rejected pending claims. As discussed in more detail below, although the rejections are all based on 35 U.S.C. § 103, each rejection relies upon Choi to provide certain subject matter that is not disclosed or suggested in the remaining cited references. Accordingly, Applicant submits that the following discussion explains why Choi does not actually disclose, or even suggest, this subject matter, and as a result, why the proposed obviousness rejections of the independent claims therefore should be reconsidered and withdrawn.

For the sake of brevity, and in view of this clear failure of Choi to disclose or suggest subject matter that is relied upon in the Office action to support the rejections, Applicant is not providing a detailed discussion of all of the cited references because the rejections all must be withdrawn if Choi (or Choi and Lin for claim 18) do not actually disclose or suggest the subject matter for which it/they are relied upon in the Office action. Similarly, additional reasons why the dependent claims recite additional subject matter that is not disclosed or suggested in the proposed combinations, as well as reasons why the proposed combinations conflict with and/or teach away from the disclosure of one or more of the cited references, are not provided in this response.

A. Anchor Portion.

With reference to the illustrative, non-exclusive example of a cap assembly 114, including a mouthpiece assembly 118, according to the present application illustrated in Figs. 11–12 (reproduced below for the Examiner’s convenience, and with Fig. 12 annotated to include reference numerals 34 and 86), it is seen that the example mouthpiece assembly 118 includes an anchor portion 86 that is sized to restrict passage of the anchor portion through the through-passage 34 of the base 116. The size of the anchor portion 86 relative to the through-passage 34 is perhaps best seen in Fig. 12 and plainly restricts removal of the whole of the mouthpiece assembly 118 from the top side of the cap assembly, for example, by a user grasping the mouthpiece portion 176 and pulling upward and away from the base. That is, the anchor portion restricts the entirety of the mouthpiece assembly 118 from being separated from the base 116 of the cap assembly, at least via the top side of the cap assembly. The example of Figs. 11–12 is provided solely for illustrative purposes, and other configurations of mouthpiece assemblies and anchor portions thereof are within the scope of the present application.



Examples of mounts 182 are illustrated in Figs. 26–29 of Choi, and as seen with reference to Fig. 26 (reproduced below), the mount 182 is integral to the base of the cap

assembly and not to the mouthpiece of Choi. The same is true of the example of Figs. 28–29. As is clearly evident, mount 182 is not even directly attached to the mouthpiece 72 or drink spout 100 of the mouthpiece assembly of Choi. It follows then that there simply is no support for the proposed construction of mount 182 that is relied upon to support the rejections of all pending independent claims.

Accordingly, a person of ordinary skill in the art, when presented with Choi, would not conclude that the mount 182 of Choi in anyway is an anchor of a mouthpiece assembly. Moreover, such a person would be even less likely (or reasonable) to conclude that the mount not only is such a mouthpiece anchor but also is sized to restrict passage of the anchor through a through-passage defined by the base of the associated cap assembly, as recited in independent claims 1, 18, and 21.

For at least these reasons, the rejections of independent claims 1, 18, and 21 are improper and should be withdrawn. Specifically, because the rejections all are predicated upon Choi disclosing structure that is not disclosed or suggested by Choi, it follows that none of the proposed combinations, proper or improper, cure this defect in the rejections.

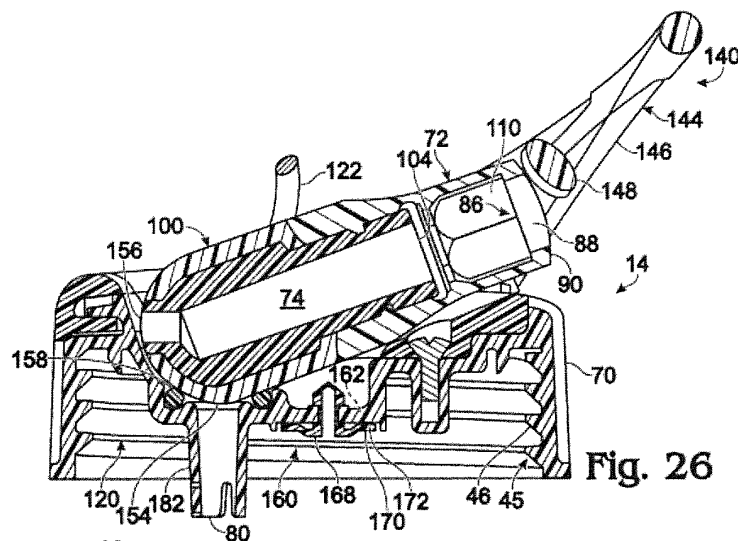


Fig. 26

33-1741

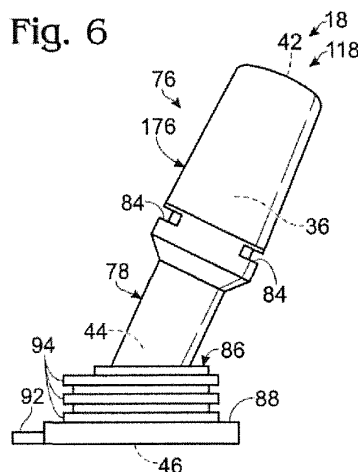


Accordingly, it would not have been obvious to a person of ordinary skill in the art to

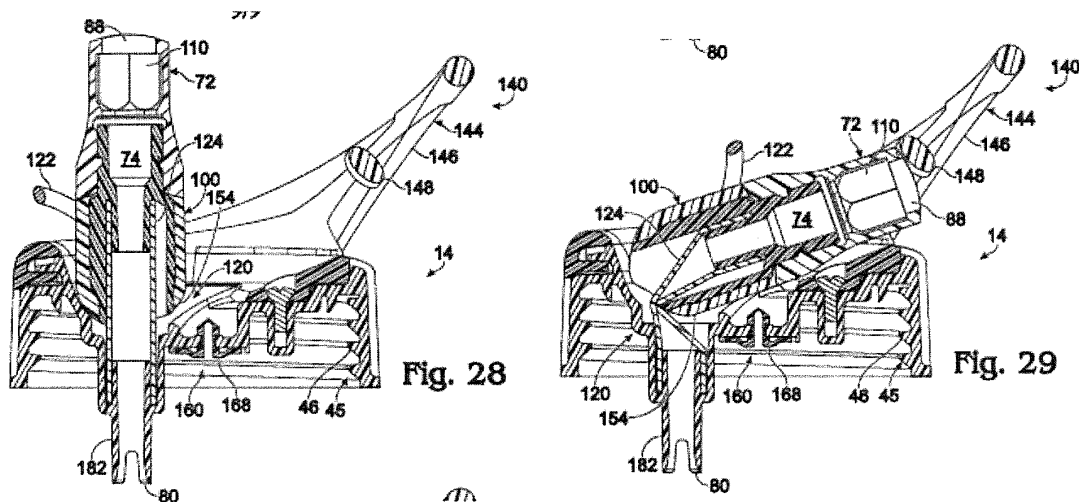
For these additional reasons, Applicant respectfully requests withdrawal of the rejections of independent claims 1, 18, and 21.

B. Unitary Structure.

As mentioned above, independent claim 1 recites that the mouthpiece portion and the tube of the mouthpiece assembly are constructed as a unitary structure. Independent claims 18 and 21 recite that all three of the mouthpiece assembly, the tube, and the anchor portion of the mouthpiece assembly are constructed as a unitary structure. An illustrative, non-exclusive example of this subject matter is illustrated in the example of Fig. 6 (reproduced below for the Examiner's convenience), with the illustrated mouthpiece assembly 118 including a mouthpiece portion 76, a tube 78, and an anchor portion 86 constructed as a unitary assembly.



To reject all three independent claims, the Office action acknowledges that this subject matter is not disclosed in the cited prior art but summarily argues that “it would have been obvious to one of ordinary skill in the art to make the two pieces [(mouthpiece portion and tube of Choi)] integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice.” [Office action, page 3 (citing to *In re Larson*, 340 F.2d 965, 968 (CCPA 1965).] The Office action is not clear, but presumably, with reference to the example embodiment of Figs. 28 and 29 of Choi (reproduced below), it is the Examiner’s position that it would have been obvious to construct the mouthpiece 72 and the tube 124 as a unitary structure. In connection with independent claims 18 and 21, presumably it is the Examiner’s position that it also would have been obvious to construct the mouthpiece 72, the tube 124, *and* the mount 182 as a unitary structure. Applicant strongly disagrees with these conclusions.



As seen above, the resilient mouthpiece 72 of Choi is mounted directly to a rigid drink spout 100 that is distinct from the mouthpiece. Therefore, with reference to the Figures above, to arrive at the proposed modification, the rigid drink spout 100 would have to be removed so that

the mouthpiece 72 is directly in engagement with the tube 124, or all three of the mouthpiece 72, the drink spout 100, and the tube 124 would have to be constructed as a unitary structure from a resilient material. In short, the proposed modification, summarily identified as an obvious engineering choice, would require a wholesale redesign of the structures of the cap assemblies disclosed in Choi and can only be based on a hindsight reconstruction utilizing Applicant's disclosure as a guide.

A person of ordinary skill in the art would not have been motivated to make such a modification, because such a modification would destroy the purpose of the drink spout. The drink spout of Choi provides a rigid structure for pivotal movement of the drink spout and the mouthpiece relative to the base of the cap assembly. Moreover, in the example of Figs. 28 and 29, the rigid drink spout provides structure for crimping the tube 124 when the drink spout is in the stowed configuration of Fig. 29. By constructing the drink spout of a resilient material, together with the tube and the mouthpiece, the drink spout would not function as intended, and thus the functionality of this embodiment of Choi would be destroyed. Stated differently, Choi expressly teaches away from making the proposed modification to the embodiment of Figs. 28 and 29, because Choi expressly teaches that the drink spout is needed to crimp the flexible tube. Furthermore, the mouthpiece of Choi is a resilient mouthpiece that is removably coupled to the drink spout, such as for cleaning and/or replacement. For at least these additional reasons, the rejections of independent claims 1, 18, and 21 are improper and should be withdrawn.

Moreover, when considering the subject matter of independent claims 18 and 21, a person of ordinary skill in the art would have had to have been motivated to also include the mount 182 of Choi as part of the resilient unitary structure together with the mouthpiece portion and the tube. Again, such a proposed modification would require a wholesale redesign of the cap

Fig. 28 and Fig. 29 are cross-sectional views of a mechanical assembly. Fig. 28 shows a vertical assembly with a central shaft 74 passing through a housing 100. The shaft has a top flange 88 and a bottom flange 182. A component 120 is mounted on the shaft, and a lever 140 is pivoted to it. The lever has a long arm 144 and a short arm 146. A spring 122 is shown on the left. Fig. 29 shows a similar assembly but with a different internal structure for the housing 100. The lever 140 is shown in a different position. Both figures include various reference numerals: 72, 110, 124, 100, 154, 144, 146, 148, 120, 160, 168, 46, 45, 182, and 80.

Conclusion.

Page 23 - AMENDMENT AND RESPONSE TO OFFICE ACTION;
Serial No. 13/479,962

Applicant thanks the Examiner in advance for working with Applicant's counsel to efficiently advance prosecution toward allowance.

CERTIFICATE OF E-FILING

I hereby certify that this correspondence is being e-filed with the U.S. Patent and Trademark Office via the EFS-Web on March 1, 2013.


David S. D'Ascenzo

Respectfully submitted,

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Electronic Patent Application Fee Transmittal				
Application Number:		13479962		
Filing Date:		24-May-2012		
Title of Invention:		DRINK CONTAINERS		
First Named Inventor/Applicant Name:		JEFF DAVIES		
Filer:		David S. D'Ascenzo/Robin Davin		
Attorney Docket Number:		KRN 356A		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 2 months with \$0 paid	1252	1	570	570

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Total in USD (\$)				570

Electronic Acknowledgement Receipt	
EFS ID:	15098096
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	JEFF DAVIES
Customer Number:	78569
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	01-MAR-2013
Filing Date:	24-MAY-2012
Time Stamp:	17:49:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 570
RAM confirmation Number	5235
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Extension of Time	Extension_of_Time_KRN356A_3-1-13.pdf	55684 e58bf3dddec3fb35e9f489e3f090e5af44f09d8d	no	1
Warnings:					
Information:					
2		Amendment_and_Response_to_Office_Action_KRN356A_3-1-13.pdf	629802 6d9844bdfcf9b206b5ea051a674f5759f2ee60	yes	24
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	12	
	Applicant Arguments/Remarks Made in an Amendment		13	24	
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	30308 e6346b4e0dce84a55442f92e2a320ca6529a0765	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			715794		
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PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)		Docket Number (Optional) KRN 356A																								
Application Number 13/479,962	Filed May 24, 2012																									
For DRINK CONTAINERS																										
Art Unit 3788	Examiner Robert Poon																									
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application. The requested extension and fee are as follows (check time period desired and enter the appropriate fee below): <table><thead><tr><th></th><th>Fee</th><th>Small Entity Fee</th><th></th></tr></thead><tbody><tr><td>☐ One month (37 CFR 1.17(a)(1))</td><td>\$150</td><td>\$75</td><td>\$ _____</td></tr><tr><td>☒ Two months (37 CFR 1.17(a)(2))</td><td>\$570</td><td>\$285</td><td>\$ 570</td></tr><tr><td>☐ Three months (37 CFR 1.17(a)(3))</td><td>\$1,290</td><td>\$645</td><td>\$ _____</td></tr><tr><td>☐ Four months (37 CFR 1.17(a)(4))</td><td>\$2,010</td><td>\$1,005</td><td>\$ _____</td></tr><tr><td>☐ Five months (37 CFR 1.17(a)(5))</td><td>\$2,730</td><td>\$1,365</td><td>\$ _____</td></tr></tbody></table> ☐ Applicant claims small entity status. See 37 CFR 1.27. ☐ A check in the amount of the fee is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director has already been authorized to charge fees in this application to a Deposit Account. ☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-4551 ☒ Payment made via EFS-Web. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. I am the ☐ applicant/inventor. ☐ assignee of record of the entire interest. See 37 CFR 3.71. 37 CFR 3.73(b) statement is enclosed (Form PTO/SB/96). ☒ attorney or agent of record. Registration number 39,952 ☐ attorney or agent acting under 37 CFR 1.34. Registration number _____  _____ Signature March 1, 2013 _____ Date David S. D'Ascenzo _____ Typed or printed name (503) 224-7529 _____ Telephone Number NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.				Fee	Small Entity Fee		☐ One month (37 CFR 1.17(a)(1))	\$150	\$75	\$ _____	☒ Two months (37 CFR 1.17(a)(2))	\$570	\$285	\$ 570	☐ Three months (37 CFR 1.17(a)(3))	\$1,290	\$645	\$ _____	☐ Four months (37 CFR 1.17(a)(4))	\$2,010	\$1,005	\$ _____	☐ Five months (37 CFR 1.17(a)(5))	\$2,730	\$1,365	\$ _____
	Fee	Small Entity Fee																								
☐ One month (37 CFR 1.17(a)(1))	\$150	\$75	\$ _____																							
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☐ Three months (37 CFR 1.17(a)(3))	\$1,290	\$645	\$ _____																							
☐ Four months (37 CFR 1.17(a)(4))	\$2,010	\$1,005	\$ _____																							
☐ Five months (37 CFR 1.17(a)(5))	\$2,730	\$1,365	\$ _____																							

☒ * Total of **1** forms are submitted.

This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875					Application or Docket Number 13/479,962		Filing Date 05/24/2012		☐ To be Mailed		
APPLICATION AS FILED – PART I											
(Column 1)			(Column 2)			SMALL ENTITY ☐		OR		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A		N/A		N/A		
☐ SEARCH FEE (37 CFR 1.16(k), (j), or (m))	N/A	N/A	N/A		N/A		N/A		N/A		
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A		N/A		N/A		
TOTAL CLAIMS (37 CFR 1.16(j))	minus 20 =	*	X \$	=	X \$	=	X \$	=	X \$	=	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$	=	X \$	=	X \$	=	X \$	=	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).										
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))											
* If the difference in column 1 is less than zero, enter "0" in column 2.											
APPLICATION AS AMENDED – PART II											
(Column 1)			(Column 2)			SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
AMENDMENT	03/01/2013	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
	Total (37 CFR 1.16(i))	* 21	Minus	** 21	= 0	X \$	=	X \$62=	0	X \$	=
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X \$	=	X \$250=	0	X \$	=
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE		TOTAL ADD'L FEE	0		
AMENDMENT	Total (37 CFR 1.16(i))	*	Minus	**	=	X \$	=	X \$	=	X \$	=
	Independent (37 CFR 1.16(h))	*	Minus	***	=	X \$	=	X \$	=	X \$	=
	☐ Application Size Fee (37 CFR 1.16(s))										
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))										
						TOTAL ADD'L FEE		TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.											

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A	8853
78569 7590 10/04/2012 Dascenzo Intellectual Property Law, P.C. 522 SW 5th Ave Suite 925 Portland, OR 97204-2126			EXAMINER POON, ROBERT	
			ART UNIT 3788	PAPER NUMBER
			MAIL DATE 10/04/2012	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	13/479,962	DAVIES ET AL.	
	Examiner	Art Unit	
	ROBERT POON	3788	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 May 2012.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 5) ☒ Claim(s) 1,2,5-18,20 and 21 is/are pending in the application.
- 5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-2, 5-18, 20-21 is/are rejected.
- 8) ☒ Claim(s) 3,4 and 19 is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 12) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)	4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. ____.
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)	5) ☐ Notice of Informal Patent Application
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>5/24/2012</u> .	6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-2, 5-9, 16-17, 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over US 2007/0039959 to Choi et al. (Choi) in view of either of US Patent No. 6,745,949 to Lee or US Patent No. 5,273,172 to Rossbach et al.

Regarding claim 1, 21, Choi discloses a drink container (10), comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid

to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§0034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region (§0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60), with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious

to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

Regarding claim 2, the modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular, the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

Regarding claim 5, the modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Regarding claim 6, Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Regarding claim 7, Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Regarding claim 8, Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Regarding claim 9, Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Regarding claim 16, Choi further teaches a straw (180).

Regarding claim 17, Choi does not teach an air return assembly. Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and not directly above in dispensing configuration (Fig. 1) for providing a vent means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

3. Claims 10-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and further in view of US Patent No. 5,337,918 to Wang.

Regarding claim 10, Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw (col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30) adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

Regarding claim 11, the modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to one of ordinary skill in the art to rearrange the parts such that the collar member engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere

rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Regarding claim 12, the collar engagement portion of the release mechanism (122) is capable of translating.

Regarding claim 13, the modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Regarding claim 14, Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

4. Claim 15 is rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee and US Patent No. 5,582,320 to Lin.

Regarding claim 15, the modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses an anchor portion (51) with flanges (512). One of ordinary skill in the art would have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

5. Claims 18, 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi in view of Lee, Rossbach, Wang and Lin.

Regarding claims 18, 20, Choi discloses a drink container (10),
comprising:

a liquid container (12) having a neck (26) with an opening (40) and having an internal compartment (20) sized to hold a volume of potable drink liquid; a cap assembly (14) removably coupled to the liquid container, the cap assembly comprising: a base (70) removably coupled to the neck of the liquid container and including a through-passage; a mouthpiece assembly (72) extending through the through-passage of the base and defining a liquid passage (74) through which drink liquid from the liquid container may selectively flow, and further defining an inlet (80) through which drink fluid in the internal compartment may enter the liquid passage and an outlet (86) through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration (Fig. 24), in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration (Fig. 23), in which the liquid passage restricts the flow of drink liquid through the liquid passage (§0034, ll. 12-15), and wherein the mouthpiece assembly comprises: a mouthpiece portion (72) that includes the outlet (86); a tube (190) that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region (§0064, ll. 10-15) constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid

through the liquid passage when the mouthpiece assembly is in the stowed configuration. Choi further teaches anchor portion (182) on the mouthpiece assembly which extends from tube (Fig. 9). Choi does not teach the mouthpiece and tube to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965). Choi further does not disclose the mouthpiece assembly being biased to the dispensing configuration with first and second catch structures to retain the mouthpiece assembly in stowed configuration.

However, Lee discloses a drink container (10) having mouthpiece assembly (Fig. 5) being biased in a dispensing configuration (col. 4, ll. 50-60), with catch structures (36, upper portion of 20) adapted to selectively engage the assembly to stowed configuration (col. 4, ll. 40-50). It would have been obvious to one of ordinary skill in the art to reverse the biasing of the Choi container such that the mouthpiece assembly was biased towards the dispensing configuration and implement catch structures to hold it in this biasing position as suggested by Lee in order to allow easy manipulation of the mouthpiece as well as improved performance for closing a passage defined in the straw (Lee, col. 2, ll. 40-45). In addition to Lee, Rossbach also discloses known drink containers all biased to dispensing configuration. In light of several prior art drink containers teaching mouthpieces biasing towards dispensing configuration, one of ordinary skill in the

art would have found it obvious to modify the Choi container such that it biased towards dispensing rather than towards stowed configuration. It has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167. Choi further discloses a user release mechanism (122) adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. In particular, the mechanism is grasped by a user and with sufficient force, would free the mouthpiece from the catches in the modified Choi.

The modified Choi further discloses the user release mechanism (122) mechanically coupled to the first catch structure. In particular, the mechanism (122) would be mechanically coupled through the mouthpiece assembly.

The modified Choi further teaches the crimping region partially biasing the mouthpiece assembly to dispensing configuration (Lee, 24).

Choi further teaches handle (140) with lateral guards (146) defining a stowing region.

Choi further discloses the mouthpiece to be bite-actuated (Choi, abstract) and biased to close configuration.

Choi further discloses the mouthpiece portion capable of allowing a user to draw drink liquid from the drink container while in dispensing configuration (Fig. 2).

Choi does not teach the mouthpiece, tube, and anchor portion to be unitary however it would have been obvious to one of ordinary skill in the art to make the two pieces integral since it has been held that the use of one piece construction would be merely a matter of obvious engineering choice. *In re Larson*, 340 F.2d 965, 968, 144 USPQ 347, 349 (CCPA 1965).

Choi further teaches a straw (180).

The modified Choi does not teach an air return assembly. Rossbach further discloses an air return assembly (9) with mouthpiece portion (12) above the directly above the assembly in stowed configuration (Fig. 2) and not directly above in dispensing configuration (Fig. 1) for providing a vent means. One of ordinary skill in the art would have found it obvious to incorporate an air return assembly as taught by Rossbach in order to provide a vent.

Choi further discloses a rigid collar member (100), the tube of the mouth piece assembly extending through the collar (Fig. 9) but does not disclose a crimping portion adjacent the crimping portion of the tube. Wang discloses a beverage container (10) and in particular discloses a collar member (34) with a crimping portion (35) adjacent to straw (36). It would have been obvious to one of ordinary skill in the art to implement a crimping portion on the collar member of the modified Choi as suggested by Wang in order to communicate with the straw (col. 1, ll. 50-55). In particular, implementing the collar member in the modified Choi container would have resulted in the crimping portion of the collar (30)

adjacent to crimping portion (24) of straw (20, Lee) which would restrict flow when the mouthpiece is bent or in the stowed configuration.

The modified Choi further discloses user release mechanism including engagement portion (150) but does not disclose the collar member having the second catch structure. However, since the second catch structure is located on the top portion of the straw, it would have been obvious to one of ordinary skill in the art to rearrange the parts such that the collar member engages the first catch structure (36, Lee) since it would not affect stowed position of the mouthpiece assembly and it has been held that mere rearrangement of parts would have been an obvious matter of design choice. *In re Japikse*, 181 F.2d 1019, 86 USPQ 70 (CCPA 1950).

Choi discloses the collar engagement portion of the release mechanism (122) is capable of translating.

The modified Choi further teaches a seat (108, Choi) that can engage the collar member (100).

Choi further discloses a stop surface (bottom of 122) that does not engage the cap assembly when the mouthpiece is in stowed configuration and engages when in dispensing configuration (Figs. 23-24).

The modified Choi does not teach a plurality of flanges on the anchor portion. Lin discloses a beverage dispenser (Fig. 3) and in particular discloses an anchor portion (51) with flanges (512). One of ordinary skill in the art would

have found it obvious to incorporate flanges to the modified Choi anchor portion as suggested by Lin in order to prevent leakage (Lin, abstract).

Allowable Subject Matter

6. Claims 3-4, 19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ROBERT POON whose telephone number is (571)270-7425. The examiner can normally be reached on Monday thru Friday, 8:30 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Greg Pickett can be reached on (571)272-4560. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/J. Gregory Pickett/
Supervisory Patent Examiner, Art Unit 3788

/R. P./
Examiner, Art Unit 3788

Notice of References Cited	Application/Control No. 13/479,962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.	
	Examiner ROBERT POON	Art Unit 3788	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2010/0181329	07-2010	Davies et al.	220/707
*	B	US-2007/0039959	02-2007	Choi et al.	220/212.5
*	C	US-5,582,320	12-1996	Lin, Bang H.	220/708
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"12357114"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/14 18:26
S2	7	((JEFF) near2 (DAVIES)).INV.	US-PGPUB; USPAT	OR	OFF	2011/04/14 18:28
S3	7	((DEREK) near2 (SULLIVAN)).INV.	US-PGPUB; USPAT	OR	OFF	2011/04/14 18:36
S4	4	((("20080237233") or ("20070039959") or ("7533783") or ("3907179")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/04/14 18:39
S5	2	((("6070767") or ("6032831")).PN.	USPAT; USOCR	OR	OFF	2011/04/14 20:06
S6	190	220/252.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 12:01
S7	287	220/705.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 12:30
S8	89	220/707.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 12:52
S9	69	220/708.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 13:19
S10	245	220/709.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 13:28
S12	198	215/387.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/19 17:58
S13	345	215/388.ccls.	US-PGPUB;	OR	OFF	2011/04/19 18:08

			USPAT; EPO; JPO; DERWENT			
S14	373	"0015192" "0090606" "0662345" "1253579" "1309994" "1788795" "20020033399" "20020040909" "20020092858" "20020092877" "20020148806" "20020166990" "20020185495" "20030085232" "20030116573" "20030168462" "20030173536" "20030218015" "20030222238" "20040000551" "20040069783" "20040079775" "20040089301" "20040159820" "20040164043" "20040217139" "20040217187" "20040222230" "20050029271" "20050029313" "20050045647" "20050056610" "20050056652" "20050072788" "20050072804" "20050115966" "20050133505" "20050133519" "20050205587" "20050218242" "2052307" "2175735" "2314167" "2392479" "2432132" "2450244" "2529817" "2613988" "2655279" "2748968" "2778537" "2799439" "2844267" "2893611" "2893612" "2948453" "2957614" "2984377" "3023939" "3071272" "3076574" "3134515" "3143429" "3163337" "3179301" "3181743" "3225915" "3240415" "3268792" "3291331" "3294293" "3323669" "3326695" "3337098" "3371827" "3392887" "3438527" "3545604" "3559868" "3568870" "3655099" "3656654" "3717476" "3718238" "3741447" "3746197" "3780944" "3840153" "3851781" "3858773" "3863818" "3868043" "3874554" "3874562" "3907179" "3915331" "3946895" "3952910" "3972443" "4018355" "4036392" "4043478" "4065018" "4073404" "4078692" "4080989" "4081108" "4090650" "4095710" "4098422" "4109817" "4153170" "4164305").PN. OR ("4184604" "4187954" "4194674" "4216801" "4219138" "4226356" "4228913" "4230112" "4231486" "4239123" "4243156" "4243162" "4247016" "4271984" "4291814" "4298146" "4305521" "4345695" "4356927" "4407425" "4424913" "4437289" "4440327" "4441623" "4441624" "4448316" "4462503" "4479343" "4485963" "4487342" "4488656" "4501585" "4503991" "4503992" "4504009" "4537324" "4544074" "4544077" "4560081" "4561557" "4573631" "4582213" "4582214" "4583654" "4589569" "4596341" "4607755" "4629097" "4630735" "4631715" "4645096" "4674661" "4676387"	US- PGPUB; USPAT; USOCR	OR	OFF	2011/04/19: 20:10

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S15	100	215/389.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2011/04/21 17:48
S16	720	206/363.ccls.	US- PGPUB; USPAT; EPO; JPO;	OR	OFF	2011/04/21 18:51

			DERWENT			
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S18	194	220/252.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2012/03/23 15:22
S19	307	220/705.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2012/03/23 15:22
S20	90	220/707.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2012/03/23 15:23
S21	73	220/708.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2012/03/23 15:23
S22	251	220/709.ccls.	US- PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2012/03/23 15:23
S24	1	"20070039959"	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2012/09/27 13:40
S25	2	"11588476"	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2012/09/27 13:45
S26	1	("5273172").PN.	USPAT; USOCR	OR	OFF	2012/09/27 14:19
S27	1	("6745949").PN.	USPAT; USOCR	OR	OFF	2012/09/27 14:20
S28	1	"13479962"	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2012/09/27 14:26

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S23	2	drink near2 container and catch and mouthpiece and anchor	USPAT; UPAD	OR	OFF	2012/03/23 15:10

9/27/2012 10:33:09 PM

C:\Users\rpoon\Documents\EAST\Workspaces\app12357114.wsp

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER KRN 356A		APPLICATION NUMBER	
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
/rp/	2010/0181329	7/22/2010	Davies et al.			
	2010/0170902	7/8/2010	Britto et al.			
	2008/0237233	10/2/2008	Choi et al.			
	2007/0039959	2/22/2007	Choi et al.			
	2006/0226110	10/12/2006	Choi et al.			
	2005/0218242	10/6/2005	Renz et al.			
	2005/0205587	9/22/2005	Sampson et al.			
	2005/0133519	6/23/2005	McDonough			
	2005/0056610	3/17/2005	Randolph et al.			
	2005/0029271	2/10/2005	McDonough			
	2004/0159820	8/19/2004	Yang			
	2004/0069783	4/15/2004	Chen			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	WO 98/46106	10/22/1998	WIPO			X
	WO 00/49922	08/31/2000	WIPO			X
OTHER DOCUMENTS						
		Description and photographs of Thermos® Foogo™ Straw Bottle purchased 12/2008.				
EXAMINER /robert poon/				DATE CONSIDERED 9/27/2012		

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER KRN 356A		APPLICATION NUMBER	
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	2003/0218015	11/27/2003	Randolph et al.			
	2003/0085232	5/8/2003	Leinenweber			
	7,533,783	5/19/2009	Choi et al.			
	7,255,241	8/14/2007	Yoneoka et al.			
	D547,607	7/31/2007	Forsman			
	D547,606	7/31/2007	Forsman			
	7,201,284	4/10/2007	Clark et al.			
	7,147,126	12/12/2006	Samson et al.			
	6,915,961	7/12/2005	Renz et al.			
	6,745,949	6/8/2004	Lee			
	6,675,998	1/13/2004	Forsman et al.			
✓	6,609,624	8/26/2003	Goto et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER /robert poon/			DATE CONSIDERED 9/27/2012			

FORM PTO-1449			DOCKET NUMBER		APPLICATION NUMBER	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			KRN 356A			
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	6,607,092	8/19/2003	Manganiello et al.			
	6,422,415	7/23/2002	Manganiello			
	6,390,341	5/21/2002	Ohmi et al.			
	6,279,773	8/28/2001	Kiyota			
	6,276,560	8/21/2001	Belcastro			
	6,116,458	9/12/2000	Dark			
	6,070,767	6/6/2000	Gardner et al.			
	6,059,154	5/9/2000	Bigotte et al.			
	6,050,445	4/18/2000	Manganiello			
	5,897,013	4/27/1999	Manganiello			
	5,884,793	3/23/1999	Wang			
↓	5,873,478	2/23/1999	Sullivan et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			/robert poon//robert poon/		DATE CONSIDERED 9/27/2012	

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER KRN 356A		APPLICATION NUMBER	
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	5,520,304	5/28/1996	Lin			
	5,518,142	5/21/1996	Lin			
	5,465,866	11/14/1995	Belcastro			
	5,392,968	2/28/1995	Dark			
	5,337,918	8/16/1994	Wang			
	5,332,131	7/26/1994	Pehr			
	5,273,172	12/28/1993	Rosbach et al.			
	5,242,079	9/7/1993	Stephens et al.			
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	4,860,934	8/29/1989	Komischke			
	4,485,963	12/4/1984	Panicci			
	3,907,179	9/23/1975	Pehr et al.			
	3,294,293	12/27/1966	Johns			
↓	3,181,743	5/4/1965	Libit et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER /robert poon/			DATE CONSIDERED 9/27/2012			

Search Notes 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

SEARCHED			
Class	Subclass	Date	Examiner
220	252, 705, 707-709	9/27/2012	rp
215	387-389,	9/27/2012	rp

SEARCH NOTES		
Search Notes	Date	Examiner
see EAST search history	9/27/2012	rp
inventor search	9/27/2012	rp

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/ROBERT POON/
Examiner.Art Unit 3788

Index of Claims 	Application/Control No. 13479962	Applicant(s)/Patent Under Reexamination DAVIES ET AL.
	Examiner ROBERT POON	Art Unit 3788

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant				☐ CPA				☐ T.D.				☐ R.1.47			
CLAIM			DATE												
Final	Original	09/27/2012													
	1	✓													
	2	✓													
	3	O													
	4	O													
	5	✓													
	6	✓													
	7	✓													
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	18	✓													
	19	O													
	20	✓													
	21	✓													



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BIB DATA SHEET

CONFIRMATION NO. 8853

SERIAL NUMBER 13/479,962	FILING or 371(c) DATE 05/24/2012 RULE	CLASS 220	GROUP ART UNIT 3788	ATTORNEY DOCKET NO. KRN 356A		
APPLICANTS JEFF DAVIES, Windsor, CA; DEREK GAVIN SULLIVAN, Oakland, CA; ** CONTINUING DATA ***** This application is a CON of 12/357,114 01/21/2009 PAT 8,191,727 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 06/05/2012						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☐ No Verified and Acknowledged <u>/ROBERT POON/</u> Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 4	TOTAL CLAIMS 21	INDEPENDENT CLAIMS 3
ADDRESS Dascenzo Intellectual Property Law, P.C. 522 SW 5th Ave Suite 925 Portland, OR 97204-2126 UNITED STATES						
TITLE DRINK CONTAINERS						
FILING FEE RECEIVED 1310	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit			



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A

CONFIRMATION NO. 8853

PUBLICATION NOTICE



0000000056505937

78569
Dascenzo Intellectual Property Law, P.C.
522 SW 5th Ave
Suite 925
Portland, OR 97204-2126

Title:DRINK CONTAINERS

Publication No.US-2012-0228315-A1

Publication Date:09/13/2012

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Office of Public Records. The Office of Public Records can be reached by telephone at (703) 308-9726 or (800) 972-6382, by facsimile at (703) 305-8759, by mail addressed to the United States Patent and Trademark Office, Office of Public Records, Alexandria, VA 22313-1450 or via the Internet.

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
13/479,962	05/24/2012	3781	1310	KRN 356A	21	3

CONFIRMATION NO. 8853

FILING RECEIPT



78569
Dascenzo Intellectual Property Law, P.C.
522 SW 5th Ave
Suite 925
Portland, OR 97204-2126

Date Mailed: 06/07/2012

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

JEFF DAVIES, Windsor, CA;
DEREK GAVIN SULLIVAN, Oakland, CA;

Assignment For Published Patent Application

CamelBak Products, LLC, Petaluma, CA

Power of Attorney: The patent practitioners associated with Customer Number 78569

Domestic Priority data as claimed by applicant

This application is a CON of 12/357,114 01/21/2009 PAT 8191727

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.)

If Required, Foreign Filing License Granted: 06/05/2012

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/479,962**

Projected Publication Date: 09/13/2012

Non-Publication Request: No

Early Publication Request: No

Title

DRINK CONTAINERS

Preliminary Class

220

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

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page 2 of 3

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 13/479,962			
APPLICATION AS FILED - PART I									
(Column 1)		(Column 2)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)		
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	380		
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	620		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	250		
TOTAL CLAIMS (37 CFR 1.16(i))	21	minus 20 = *	1			x 60 =	60		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *				x 250 =	0.00		
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00		
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00		
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL		TOTAL	1310		
APPLICATION AS AMENDED - PART II									
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)		
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	x =	OR x =		
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	x =	OR x =		
	Application Size Fee (37 CFR 1.16(s))							OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR	
TOTAL ADD'L FEE						TOTAL ADD'L FEE			
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)	RATE(\$)	ADDITIONAL FEE(\$)		
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	x =	OR x =		
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	x =	OR x =		
	Application Size Fee (37 CFR 1.16(s))							OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR	
TOTAL ADD'L FEE						TOTAL ADD'L FEE			
* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3". The "Highest Number Previously Paid For" (Total or Independent) is the highest found in the appropriate box in column 1.									



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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/479,962	05/24/2012	JEFF DAVIES	KRN 356A

CONFIRMATION NO. 8853

POA ACCEPTANCE LETTER



OC000000054667109*

78569
Dascenzo Intellectual Property Law, P.C.
522 SW 5th Ave
Suite 925
Portland, OR 97204-2126

Date Mailed: 06/07/2012

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/24/2012.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/atesfai/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

**POWER OF ATTORNEY,
STATEMENT UNDER 37 C.F.R. § 3.73(b), and
ASSERTION OF RIGHT UNDER 37 C.F.R. § 3.71 AND MPEP § 106**

Applicant: Jeff Davies and Derek Gavin Sullivan
Serial No.: _____
Filed: _____
Title: DRINK CONTAINERS

CamelBak Products, LLC, a Delaware limited liability company, hereby appoints the practitioners at DASCENZO INTELLECTUAL PROPERTY LAW, P.C., USPTO Customer No. 78569, as its attorneys and agents to prosecute the above-identified patent application and to transact all business in the United States Patent and Trademark Office connected therewith. These practitioners currently include:

David S. D'Ascenzo, Reg. No. 39,952; and Ian D. Gates, Reg. No. 51,722.

CamelBak Products, LLC states, under 37 C.F.R. § 3.73(b), that it is the assignee of the entire right, title, and interest in the above-identified patent application by virtue of an assignment from each of the inventor(s) named in the above-identified patent application. Copies of assignments or other documents in the chain of title are attached.

CamelBak Products, LLC hereby asserts its right, under 37 C.F.R. § 3.71 and MPEP § 106, to conduct the prosecution of the above-identified patent application to the exclusion of the named inventor(s) and any previous assignee(s).

DIRECT COMMUNICATIONS TO:

David S. D'Ascenzo
DASCENZO INTELLECTUAL
PROPERTY LAW, P.C.
522 S.W. 5th Avenue, Suite 925
Portland, Oregon 97204

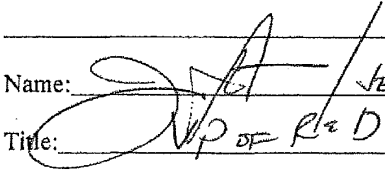
Telephone: (503) 224-7529
Facsimile: (503) 224-7329
Email: david@dascenzoiplaw.com

The undersigned (whose title is supplied below) is authorized to act on behalf of the above-identified assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

CAMELBAK PRODUCTS, LLC

Date: 1/20/09

Name:  JEREMY GATES
Title: VP OF R & D

ASSIGNMENT

WHEREAS, WE, JEFF DAVIES, of Healdsburg, County of Sonoma, State of California, and DEREK GAVIN SULLIVAN, of Oakland, County of Alameda, State of California, have invented certain improvements in DRINK CONTAINERS, for which we have executed an application for Letters Patent of the United States on the date we executed this Assignment as hereinafter set forth; and

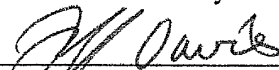
WHEREAS, CAMELBAK PRODUCTS, LLC, a Delaware limited liability company, having its principal place of business in Petaluma, County of Sonoma, State of California, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which hereby are acknowledged, we, JEFF DAVIES and DEREK GAVIN SULLIVAN, have sold, assigned and transferred, and by these presents do sell, assign and transfer unto CAMELBAK PRODUCTS, LLC the full and exclusive right to the said invention in the United States and its territorial possessions and in any and all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all related U.S. and foreign patent applications, including PCT patent applications, divisionals, reissues, continuations and extensions thereof.

We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to CAMELBAK PRODUCTS, LLC, as the assignee of our entire right, title and interest in and to the same, for the sole use of CAMELBAK PRODUCTS, LLC, its successors and assigns.

Further, we agree that we will communicate to the said CAMELBAK PRODUCTS, LLC or its representatives any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all related, divisional, continuation, substitution, renewal, reissue, PCT, and foreign applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to CAMELBAK PRODUCTS, LLC, make all rightful oaths and generally do everything possible to aid CAMELBAK PRODUCTS, LLC, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

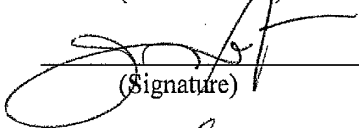


JEFF DAVIES

Date: 1/20/09

Witness:

JEREMY GALTEN
(Printed Name)

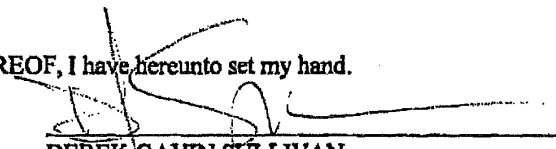


(Signature)

1023 SAGVANDIA CT
(Address)

PETALUMA CA 94954
(City, State)

IN TESTIMONY WHEREOF, I have hereunto set my hand.


DEREK GAVIN SULLIVAN

Date:

1/21/09

Witness:

(Printed Name)

(Signature)

(Address)

(City, State)

DRINK CONTAINERS

Related Application

The present application is a continuation patent application that claims priority under 35 U.S.C. § 120 to U.S. Patent Application Serial No. 12/357,114, which is
5 entitled "Drink Containers," was filed on January 21, 2009, and the complete disclosure of which is hereby incorporated by reference.

Field of the Disclosure

The present disclosure relates generally to drink containers, and more particularly to drink containers with mouthpiece assemblies that have a dispensing
10 configuration and a stowed configuration.

Background of the Disclosure

For some time, people have recognized the need to stay hydrated. Conventionally, many individuals carry drink bottles that contain water or other potable beverages. These bottles are typically formed from plastic or metal and include a cap.
15 Some conventional drink bottles include a threaded or other neck from which a user drinks liquid contained in the drink bottle after removal of the cap. Some conventional drink bottles include a spout, or nozzle, from which the drink liquid may be drawn from the drink bottle without removing the cap of the drink bottle. Conventional spouts typically include a flexible straw or a rigid spout having an outlet through which drink
20 liquid may flow.

Summary of the Disclosure

Drink containers according to the present disclosure include a liquid container and a cap assembly with a mouthpiece assembly that is adapted to be selectively configured between a dispensing configuration, in which drink liquid may be selectively
5 dispensed from the liquid container, and a stowed configuration, in which drink liquid is restricted from being dispensed from the liquid container. In some examples, the mouthpiece assembly includes a tube portion, at least a portion of which defines a crimping region that is constructed of a resiliently deformable material and that is adapted to restrict the flow of drink liquid therethrough when the mouthpiece assembly
10 is in the stowed configuration. Some examples of drink containers according to the present disclosure further include a user-release mechanism that is adapted to automatically, upon user actuation, release the mouthpiece assembly from the stowed configuration to the dispensing configuration. In some examples, the mouthpiece assembly is biased toward the dispensing configuration and thus moves automatically
15 under its bias upon release by the user-release mechanism. In some examples, the mouthpiece assembly includes a user-actuated mouthpiece, such as a bite-actuated mouthpiece, having an open position and a closed position. Such a mouthpiece may enable a user to selectively receive drink liquid from the liquid container via the mouthpiece assembly when the mouthpiece assembly is in the dispensing configuration
20 and the user-actuated mouthpiece is in the open position.

Brief Description of the Drawings

Fig. 1 is a schematic illustration of a drink container according to the present disclosure with the drink container's mouthpiece assembly illustrated in a dispensing configuration.

5 Fig. 2 is a schematic illustration of the drink container of Fig. 1 with the mouthpiece assembly illustrated in a stowed configuration.

Fig. 3 is another schematic illustration of a drink container according to the present disclosure with the drink container's mouthpiece assembly illustrated in a dispensing configuration.

10 Fig. 4 is a schematic illustration of the drink container of Fig. 3 with the mouthpiece assembly illustrated in a stowed configuration.

Fig. 5 is a schematic illustration of at least a portion of a mouthpiece assembly according to the present disclosure.

15 Fig. 6 is a side view of an illustrative, non-exclusive example of at least a portion of a mouthpiece assembly according to the present disclosure.

Fig. 7 is an isometric view of an illustrative, non-exclusive example of a drink container according to the present disclosure including the mouthpiece assembly of Fig. 6, with the drink container illustrated with the mouthpiece assembly in its dispensing configuration.

20 Fig. 8 is an isometric view of the drink container of Fig. 7 with its mouthpiece assembly in its stowed configuration.

Fig. 9 is a top view of the cap assembly of the drink container of Fig. 7 with the cap assembly's mouthpiece assembly in its dispensing configuration.

Fig. 10 is a top view of the cap assembly of Fig. 9 with the mouthpiece assembly in its stowed configuration.

Fig. 11 is an isometric exploded view of the cap assembly of Fig. 9.

Fig. 12 is a cross-sectional side elevation view of the cap assembly of Fig. 9 with
5 the mouthpiece assembly in its dispensing configuration.

Fig. 13 is a cross-sectional side elevation view of the cap assembly of Fig. 9 with the mouthpiece assembly in its stowed configuration.

Detailed Description and Best Mode of the Disclosure

Drink containers according to the present disclosure are schematically illustrated in Figs. 1–4 and are indicated generally at 10. Drink containers 10 according to the present disclosure are designed to receive and selectively dispense to a user a volume of potable drink liquid. Illustrative, non-exclusive examples of drink liquids that may be used in drink containers 10 according to the present disclosure include such potable liquids as water, juice, sports drinks, milk, soft drinks, and the like. Drink containers 10 include a liquid container 12 and a cap assembly 14 having a unique mouthpiece assembly.

Liquid containers 12 according to the present disclosure are adapted to receive and hold or otherwise contain up to a predetermined volume of drink liquid 22 for selective consumption by a user. Liquid containers 12 may include an open neck 20, through which drink liquid 22 may be selectively poured, or otherwise dispensed, into an internal compartment 24 of the liquid container, and from which the drink liquid may be selectively dispensed from the internal compartment to a user. It is within the scope of the present disclosure that neck 20 may (but is not required in all embodiments to) define the only opening through which drink liquid may be added to or removed from the liquid container. As discussed in more detail herein, when cap assembly 14 is operatively coupled to the liquid container, this selective dispensing of the drink liquid may be responsive to whether or not a mouthpiece assembly of the cap assembly has been configured to a dispensing configuration, and in some embodiments, whether a mouthpiece portion of the mouthpiece assembly has been configured to an open configuration. As used herein, “selective” and “selectively,” when modifying an action,

movement, configuration, or other activity of one or more components or characteristics of a drink container according to the present disclosure, means that the specified action, movement, configuration, or other activity is a direct or indirect result of user manipulation of an aspect of, or one or more components of, the drink container.

5 Liquid containers 12 may have any suitable shape and be formed from any suitable material or combination of materials to hold up to a predetermined volume of drink liquid. Illustrative, non-exclusive examples of suitable sizes, or capacities, of liquid containers 12 (i.e., volume of drink liquid 22 able to be received into a liquid container at one time) include 4 oz., 6 oz., 8 oz., 10 oz., 12 oz., 16 oz., 20 oz., 24 oz., 32 oz., 36 oz.,
10 4–11 oz., 12–19 oz., 19–25 oz., 12–36 oz., 25–36 oz., and 10–70 oz. (with these illustrative examples referring to liquid (fluid) ounces of drink liquid that may be received at one time into an empty liquid container). It is within the scope of the present disclosure that liquid containers having different sizes, including sizes that are smaller than, larger than, or within the illustrative sizes and/or ranges presented above, may be
15 used without departing from the scope of the present disclosure.

 An illustrative, non-exclusive example of a material that may be used to construct liquid containers 12 according to the present disclosure includes the TRITAN™ copolyester polymer developed by Eastman Chemical Company. Other illustrative, non-exclusive examples of materials that may be suitable for construction of liquid
20 containers according to the present disclosure include polycarbonate and metal, such as aluminum. Further illustrative, non-exclusive examples are disclosed in U.S. Patent Application Publication No. 2006/0226110, the entire contents of which are hereby incorporated by reference.

Liquid containers 12 may be (but are not required to be) rigid or at least semi-rigid and may include a bottom surface 26 such that a liquid container may be generally self-supporting, or free-standing. In such embodiments, drink containers 10 may be referred to as drink bottles. In some illustrative, non-exclusive embodiments, a liquid container 12 according to the present disclosure may be constructed of polyethylene or other material that permits the liquid container to be reversibly collapsed during use. Such an illustrative, non-exclusive example may permit opposing portions of the liquid container to be urged toward or even into contact with each other to reduce the volume of the liquid container and thereby aid in the dispensing of drink liquid 22 therefrom. In such an embodiment, the liquid container may be configured to return automatically to its prior configuration upon reduction of the pressure that was applied to urge the sides of the liquid container toward each other.

Cap assemblies 14 according to the present disclosure may be adapted to be removably coupled to a liquid container 12 to cover, or otherwise enclose, the neck 20 thereof. When so coupled to a liquid container, a cap assembly 14 restricts drink liquid within the liquid container's internal compartment 24 from being dispensed from the drink container other than through a liquid passage 36 defined by the cap assembly. When this liquid passage is obstructed or otherwise closed or sealed, the cap assembly prevents drink liquid from being dispensed from the liquid container. Accordingly, any drink liquid in the internal compartment of the liquid container is prevented from being dispensed to a user or otherwise removed from the liquid container until either the cap assembly is uncoupled from the liquid container or until the liquid passage is configured by a user to a configuration in which drink liquid may flow therethrough.

Cap assemblies 14 according to the present disclosure include a base 16 and a mouthpiece assembly 18. Furthermore, cap assemblies 14 define a liquid passage 36, through which drink liquid 22 may be selectively drawn, or otherwise dispensed, by a user from the internal compartment of an attached liquid container 12.

5 Although not required in all embodiments, cap assembly 14 is typically removably coupled to liquid container 12, such as to neck 20 thereof, to permit selective and non-destructive removal and replacement (i.e., uncoupling and recoupling) of the cap assembly relative to the liquid container. For example, cap assembly 14 may be uncoupled from the liquid container to permit the liquid container to receive a volume of
10 drink liquid, after which the cap assembly may be recoupled to the liquid container. Accordingly, drink containers 10 according to the present disclosure may include a coupling assembly 32, with the liquid container 12 including coupling structure 30 and the cap assembly 14 including coupling structure 28, which is adapted to selectively mate with coupling structure 30. In such an embodiment, neck 20 of the liquid container
15 may include coupling structure 30, and base 16 of cap assembly 14 may include coupling structure 28. Coupling assembly 32 may provide a liquid-tight connection between the cap assembly and the liquid container. When such a connection is established between the cap assembly and the liquid container, the cap assembly may restrict liquid from being dispensed from the drink container other than through a
20 through-passage 34 and/or a liquid passage 36 defined by the cap assembly. Illustrative, non-exclusive examples of coupling assembly 32 that may be incorporated into drink containers according to the present disclosure include (but are not limited to) threads, snap-fit arrangements, friction-fit arrangements, clasp arrangements, etc.

Base 16 further includes a through-passage 34 through which the mouthpiece assembly 18 at least partially, if not completely, extends to enable the mouthpiece assembly to receive drink liquid from the internal compartment 24 of liquid container 12 and selectively permit the drink liquid to flow through the liquid passage defined by the
5 mouthpiece assembly for dispensing to a user.

Mouthpiece assemblies 18 according to the present disclosure define the liquid passage 36, through which drink liquid from the liquid container may be selectively drawn by a user. Mouthpiece assemblies 18 define an inlet 46, which is in fluid communication with the internal compartment of the liquid container when the cap
10 assembly is coupled thereto, and an outlet 42, through which drink liquid from the liquid container may be selectively dispensed through the liquid passage to a user. Mouthpiece assemblies 18 may be selectively configured between a dispensing configuration 38, in which the mouthpiece assembly permits drink liquid to flow from the internal compartment of the liquid container (such as illustrated in Figs. 1 and 3) at least
15 into the liquid passage of the mouthpiece assembly, and a stowed configuration 40, in which the mouthpiece assembly restricts the flow of drink liquid through the liquid passage to outlet 42 (such as illustrated in Figs. 2 and 4).

When operatively positioned to extend through the through-passage of the base, the mouthpiece assembly may be restricted from being removed therefrom, at least
20 without first uncoupling the cap assembly from the drink container to permit access to the underside of the cap assembly. Mouthpiece assembly 18 may therefore be described as being anchored, or at least selectively anchored, to base 16 and/or to through-passage 34 of base 16. Additionally or alternatively, mouthpiece assembly 18

may in some embodiments be described as being configured to be non-destructively removed from through-passage 34 from the underside of the cap assembly but not from the top side of the cap assembly. As an illustrative, non-exclusive example, the mouthpiece assembly and the through-passage may have a friction-fit arrangement. As
5 another illustrative, non-exclusive example, the mouthpiece assembly may include an anchor, or anchor portion, 86 that is sized so as not to fit through the through-passage of the base, such as by being too large to fit therethrough. Other configurations are also within the scope of the present disclosure.

As illustrated in Figs. 1 and 3, at least a portion of the mouthpiece assembly 18
10 (such as a mouthpiece portion 76 thereof) may project generally away from the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration 38, and as illustrated in Figs. 2 and 4, at least a portion of the mouthpiece assembly (such as a mouthpiece portion 76 thereof) may extend generally against, adjacent to, or otherwise along the base of the cap assembly when the mouthpiece assembly is in the
15 stowed configuration 40. In the schematically illustrated examples of Figs. 1–4, the mouthpiece assembly, or at least a portion thereof, is adapted to be pivoted by a user between the dispensing and stowed configurations. Other configurations are also within the scope of the present disclosure. For example, in some embodiments, a mouthpiece assembly may be configured to be selectively positioned within a range of dispensing
20 positions.

Mouthpiece assemblies 18 include at least a crimping region 44, which permits drink liquid to flow through liquid passage 36 when the mouthpiece assembly is in the dispensing configuration, and which prevents, or at least restricts, drink liquid from

flowing through liquid passage 36 when the mouthpiece assembly is in the stowed configuration. For example, in some mouthpiece assemblies 18 according to the present disclosure, the crimping region may be constructed of a resiliently deformable material such that when the mouthpiece assembly, or at least a portion thereof, is pivoted, or otherwise folded, the crimping region of the mouthpiece assembly becomes crimped, or folded on itself, such that opposing walls of the crimping region come into contact with each other and effectively, or at least partially, seal the liquid passage within the crimping region of the mouthpiece assembly. When in such a crimped configuration, drink fluid is restricted or even prevented from flowing through the liquid passage from its inlet to its outlet due to the obstruction formed by the crimping region.

Mouthpiece assemblies 18 according to the present disclosure are biased toward the dispensing configuration and therefore may be described as having a biasing mechanism 50. The bias of a mouthpiece assembly according to the present disclosure may be provided by the internal bias created by the material from which at least a portion of the mouthpiece assembly is constructed. For example, at least a portion of a mouthpiece assembly, such as crimping region 44, may be constructed of a resiliently deformable material. An illustrative, non-exclusive example of a suitable resiliently deformable material includes (but is not limited to) silicone. Additionally or alternatively, a biasing mechanism 50 may include at least one spring. Other configurations are also within the scope of the present disclosure.

Cap assemblies 14 according to the present disclosure further include a mouthpiece securing mechanism 52 that is adapted to selectively retain the mouthpiece assembly in stowed configuration 40. Accordingly, a user of a drink container 10 may

selectively configure, or move, the mouthpiece assembly from the dispensing configuration into the stowed configuration to prevent, or at least restrict, drink liquid from being dispensed from the drink container, for example, when not using the drink container, when transporting the drink container, or in other situations in which a user
5 may wish to prevent drink liquid from being dispensed. When a user wishes to drink from the drink container and thus dispense drink liquid therefrom, the user may reconfigure the mouthpiece assembly from stowed configuration 40 to dispensing configuration 38. In some embodiments, the mouthpiece assembly may be biased to its dispensing configuration, such as by including a suitable biasing mechanism or
10 structure. In such an embodiment, the mouthpiece assembly may be configured to move automatically via, or under, its bias to the dispensing configuration upon release from its stowed configuration.

Mouthpiece securing mechanism 52 includes a first catch structure 54 and a second catch structure 56. First catch structure 54 may be coupled to, integral to,
15 formed as part of, or otherwise disposed on or within the base or other portion of the cap assembly, and second catch structure 56 may be coupled to, integral to, formed as part of, or otherwise disposed on or within the mouthpiece assembly. Accordingly, first and second catch structures 54, 56 may be adapted to be selectively engaged, or mated, with each other to retain the mouthpiece assembly in the stowed configuration,
20 as schematically illustrated in Figs. 2 and 4.

To permit the reconfiguring of the mouthpiece assembly from the stowed configuration to the dispensing configuration, cap assemblies 14 according to the present disclosure may (but are not required to) include a user release mechanism 60

that is adapted to automatically disengage the first and second catch structures from each other upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration. As schematically illustrated in Figs. 1–4, the optional user
5 release mechanism may therefore be tied to, or otherwise have a mechanical relationship with, the second catch structure of the base of the cap assembly. Additionally or alternatively, a user release mechanism according to the present disclosure may be tied to, or otherwise have a mechanical relationship with, the first catch structure of the mouthpiece assembly. Although schematically illustrated as part
10 of the base of the cap assembly, a user release mechanism according to the present disclosure may also be part of, integral to, or otherwise disposed on, the mouthpiece assembly or the liquid container. Other configurations are also within the scope of the present disclosure.

Cap assemblies 14 according to the present disclosure may further include (but
15 are not required to include) a vent, or air return assembly, 64 that is adapted to permit air from external the drink container to enter the internal compartment 24 of the liquid container 12 without having to pass through the liquid passage 36 of the mouthpiece assembly 18. Vent 64 is illustrated as being implemented on the base 16 of the cap assembly 14, with the particular position and/or orientation of the vent on the base not
20 being critical to a particular embodiment. Vent 64, when present, may include no valve or may include a valve, such as a one-way and/or a pressure-actuated valve. It is within the scope of the present disclosure that the vent, when present, may be implemented as part of the mouthpiece assembly or as part of or on the liquid container. Other

configurations are also within the scope of the present disclosure. Illustrative, non-exclusive examples of vents that may be utilized with or incorporated into drink containers according to the present disclosure are disclosed in U.S. Patent Application Publication No. 2006/0226110, incorporated herein.

5 Cap assemblies 14 according to the present disclosure may include (but are not required to include) a crimping portion 66 that is adapted to engage and crimp the crimping region 44 of the mouthpiece assembly. Additionally or alternatively, crimping portion 66 may be adjacent crimping region 44 of the mouthpiece assembly and adapted to engage and crimp the crimping region to prevent, or at least restrict, the flow
10 of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. That is, the crimping portion of the cap assembly may engage and facilitate the crimping region's folding upon and/or over itself when the mouthpiece assembly is reconfigured from the dispensing configuration to the stowed configuration. Crimping portion 66 may include any suitable structure, such as a lip, a flange, an edge,
15 or any other structure that engages, either directly or indirectly, the crimping region of the mouthpiece assembly and facilitates crimping thereof when the mouthpiece assembly is reconfigured to the stowed configuration. For example, the crimping portion of the cap assembly may be defined by a portion, such as a lip or opening, of the through-passage 34. Other configurations are also within the scope of the present
20 disclosure.

Drink containers 10 according to the present disclosure may include an optional straw 68 that is integral to or selectively coupled to, either directly or indirectly, the mouthpiece assembly and that extends into the liquid container, such as to (or at least

proximate) a lower (internal) region of the liquid container. When present, straw 68 may enable a user to draw drink liquid from the drink container via outlet 42 without having to tip the drink container so that drink liquid may flow into the liquid passage 36. For example, some users may prefer to draw drink liquid from the drink bottle without having
5 to lift and tilt the drink container to the generally horizontal or even inverted configuration that would be used if straw 68 were not present. Additionally or alternatively, some users may prefer or find it easier to draw drink liquid from the drink container using straw 68 rather than having to lift and tip the drink container.

Cap assemblies 14 according to the present disclosure optionally may include a
10 collar member 70, as schematically represented in the example illustrated in Figs. 3–4. In some embodiments, the collar member may be rigid or at least semi-rigid. In some examples of cap assemblies 14, the collar member 70, when present, may (but is not required to) be described as a component, or sub-part, of mouthpiece assembly 18. When present, the collar member may be pivotally coupled to the base or another
15 portion of the cap assembly. In such examples, the cap assemblies may be described as including a hinge arrangement between the collar member and the base of the cap assembly such that the collar member together with at least a portion of the mouthpiece assembly may be pivoted from the stowed configuration to the dispensing configuration, as indicated by an arrow in Fig. 4, and vice versa. In such examples, the optional
20 crimping portion 66 of the cap assembly may be defined by at least a portion of the collar member. In some examples, the collar member may be described as being external to the liquid passage defined by the mouthpiece assembly. Additionally or alternatively, collar members according to the present disclosure may surround, at least

partially surround, encircle, or at least partially encircle a portion of the mouthpiece assembly, such as the crimping region of the mouthpiece assembly. Additionally or alternatively, collar members according to the present disclosure may include more than one discrete component, with at least one or more such discrete components being
5 generally adjacent a portion of the mouthpiece assembly, including the crimping region of the mouthpiece assembly. Collar members according to the present disclosure also may be described as pivoting members or crimping members.

In examples of drink containers 10 that include a collar member 70, second catch structure 56 of mouthpiece securing mechanism 52 may be (but is not required to be)
10 integral to, part of, or otherwise disposed on the collar member. Additionally or alternatively, examples of drink containers according to the present disclosure that include collar member 70 may include a second catch structure 56 that is integral to, part of, or otherwise disposed on a portion of, or another portion of, the mouthpiece assembly.

15 Fig. 5 schematically depicts an illustrative, non-exclusive example of a mouthpiece assembly 18, or at least a portion thereof, according to the present disclosure, which may be used with any drink container 10 and/or cap assembly 14 according to the present disclosure. As discussed, a mouthpiece assembly according to the present disclosure may optionally include a collar member. As illustrated and
20 discussed, mouthpiece assembly 18 defines liquid passage 36 through which drink liquid may selectively flow, and further defines inlet 46 and outlet 42 of the liquid passage.

Fig. 5 graphically illustrates that mouthpiece assemblies 18 according to the present disclosure (including those depicted in Figs. 1-4) include at least a mouthpiece portion 76 and a tube, or tube portion, 78. Mouthpiece portion 76 includes outlet 42 and is adapted to permit a user to selectively receive and consume drink liquid from the drink container. Mouthpiece portion 76 may take a variety of configurations including (but not limited to) mouthpiece portions that include a user-actuated valve adapted to permit selective dispensing of drink liquid from the drink container, mouthpiece portions that permit a user to draw, or suck, drink liquid from the drink container, mouthpiece portions that permit a user to squeeze drink liquid from the drink container, and/or other configurations of mouthpiece portions. Illustrative, non-exclusive examples of mouthpiece portions, including bite-actuated mouthpieces, that may be utilized with or incorporated into mouthpiece assemblies according to the present disclosure are disclosed in U.S. Patent Application Publication No. 2006/0226110, incorporated herein.

In examples of mouthpiece portions that include a user-actuated valve, such as a bite-actuated valve, the user-actuated valve may restrict dispensing of liquid from the liquid container even though the mouthpiece assembly may be in the dispensing configuration. When the mouthpiece portion includes a bite-actuated valve, which refers to a valve that is urged from a closed configuration to an open configuration by a user biting upon the valve (such as opposed sidewalls thereof) the mouthpiece portion may be referred to as a bite-actuated mouthpiece. Bite-actuated valves (and/or bite-actuated mouthpieces) are typically biased to a closed configuration, and thus automatically return from an open configuration to a closed configuration upon release of the

compressive forces being applied thereto by a user, such as by a user's teeth and/or mouth.

In examples of drink containers that include a collar member, as discussed, mouthpiece portions according to the present disclosure may (but are not required to) include structure 80 for securing the mouthpiece portion to the collar member. In some such examples, structure 80 may include one or more of a lip, flange, or other protrusion 82 adapted to engage and mate with a corresponding one or more of a channel or depression of the collar member, when present. Additionally or alternatively, structure 80 may include one or more of a channel or depression 84 that defines a seat for, and that is adapted to engage and mate with, a corresponding one or more of a lip, flange, or other protrusion of the collar member, when present. Accordingly, when assembled, structure 80 may restrict relative movement between the mouthpiece portion and the collar member and/or may restrict lateral translation of the collar member relative to the mouthpiece portion. Additionally or alternatively, other portions of mouthpiece assemblies, including the tube portion, may incorporate structure 80. Structure 80 may additionally or alternatively be referred to as mouthpiece-securing structure 80.

Tube 78 defines at least a portion of liquid passage 36 for drink liquid to flow from the internal compartment of the liquid container to mouthpiece portion 76. Tube 78 may include crimping region 44, which, as discussed, may be constructed of a resiliently deformable material and be adapted to prevent, or at least restrict, the flow of drink liquid through the liquid passage when the mouthpiece is in the stowed configuration. In some embodiments, tube 78 may include or define inlet 46 of the liquid passage. In

embodiments where the tube does not include or define the inlet of the liquid passage, the tube is in fluid communication with the inlet of the passage.

As discussed, mouthpiece assemblies 18 according to the present disclosure may be adapted for selective anchoring, or coupling, to the base of the cap assembly and/or through the through-passage of the cap assembly. In some such examples, mouthpiece assemblies 18 may include structure for securing the mouthpiece assembly to the base of the cap assembly. For example, the mouthpiece assembly may include an anchor, or anchor portion, 86 that is adapted to prevent, or at least restrict, passing of the anchor portion through the through-passage of the base of the cap assembly. Anchor portion 86 may extend from tube 78 and/or may include a flange 88, at least a portion of which may be sized to prevent, or at least restrict, passing of the anchor portion through the through-passage of the base of the cap assembly. Additionally or alternatively, anchor portion 86 may extend into tube 78 and/or may define a channel, depression, or other recess 90 that is sized and shaped to engage and mate with corresponding structure of the base of the cap assembly. Anchor portion 86 may, but is not required to, define the inlet to the liquid passage through the mouthpiece assembly. Anchor portions 86 and/or tubes 78 according to the present disclosure may further include (but are not required to include) an, or an additional, tab, or flange, 92 shaped, sized, or otherwise adapted for a user to grasp and thereby remove the mouthpiece assembly from the base of the cap assembly. Mouthpiece assemblies that include such an anchor portion may be described as being configured to be selectively coupled to and decoupled from the base of the cap assembly via an underside of the base, and thus not from a top side of the cap assembly.

Turning now to Figs. 6–13, an illustrative, non-exclusive example of a drink container 10 according to the present disclosure and various component parts thereof are illustrated. Where appropriate, the reference numerals from the schematic illustrations of Figs. 1–5 are used to designate corresponding parts of drink containers 10 according to the present disclosure; however, the examples of Figs. 6–13 are non-exclusive and do not limit the present disclosure to the illustrated embodiment. That is, neither drink containers nor various component parts thereof are limited to the specific embodiment disclosed and illustrated in Figs. 6–13, and drink containers according to the present disclosure may incorporate any number of the various aspects, configurations, characteristics, properties, etc. illustrated in the embodiment of Figs. 6–13, of Figs. 1–4, as well as variations thereof and without requiring the inclusion of all such aspects, configurations, characteristics, properties, etc. For the purpose of brevity, each previously discussed component part, or variant thereof, may not be discussed again with respect to Figs. 6–13; however, it is within the scope of the present disclosure that the previously discussed features, materials, variants, etc. may be utilized with the illustrated embodiment of Figs. 6–13. Similarly, it is also within the scope of the present disclosure that all of the component parts, and portions thereof, that are illustrated in Figs. 6–13 are not required to all embodiments according to the present disclosure.

20 An illustrative, non-exclusive example of a mouthpiece assembly 18, or at least a portion thereof, that may be used with drink containers 10 according to the present disclosure is illustrated in Fig. 6 and generally indicated at 118. Mouthpiece assembly 118 is illustrated without an optional corresponding collar member; however, it

is within the scope of the present disclosure that mouthpiece assembly 118 may further include a collar member, such as any of the collar members disclosed elsewhere herein. Mouthpiece assembly 118 includes a mouthpiece portion 76 in the form of a bite-actuated mouthpiece 176, a tube 78, and an anchor portion 86. The bite-actuated mouthpiece, the tube, and the anchor portion collectively define a liquid passage 36, with liquid passage 36 including an inlet 46 and an outlet 42. Tube 78 includes a crimping region 44.

As illustrated, bite-actuated mouthpiece 176 includes outlet 42, through which drink liquid may be selectively dispensed. Fig. 9 illustrates the bite-actuated mouthpiece in an open, or dispensing, configuration with the outlet open to permit drink liquid to be dispensed therethrough, for example, as configured when a user applies opposing forces thereto with his/her teeth and/or lips. Bite-actuated mouthpiece 176 also includes a pair of channels 84 (as perhaps best seen in Fig. 11) that are adapted to engage and mate with corresponding structure of a collar member.

Anchor portion 86 includes a flange 88 sized and shaped to prevent, or at least restrict, mouthpiece assembly 118 from passing through a corresponding through-passage of a base of a cap assembly. Anchor portion 86 further includes three additional flanges, or ribs, 94 that are sized and shaped to provide a friction-fit arrangement with a through-passage of a corresponding base of a cap assembly. Anchor portion 86 also includes a tab 92 sized and shaped for a user to grasp and thereby remove the mouthpiece portion, the tube, and the anchor portion from a base of a corresponding cap assembly by urging the mouthpiece assembly downward and away from the underside of the cap assembly.

The illustrative, non-exclusive bite-actuated mouthpiece 176, tube 78, and anchor portion 86 of mouthpiece assembly 118 illustrated in Fig. 6 are constructed as a unitary assembly of a resiliently deformable material. As illustrated, the mouthpiece portion has a greater exterior perimeter than the tube, and the anchor portion has a greater exterior perimeter than the tube and the mouthpiece portion. This unitary construction and the illustrative, non-exclusive relative sizes are not required in all embodiments, and other configurations are within the scope of the present disclosure.

An illustrative, non-exclusive example of a drink container 10 including mouthpiece assembly 118 of Fig. 6 is illustrated in Figs. 7–8, is generally indicated at 100, and may be referred to as a drink bottle 100. Drink bottle 100 includes a liquid container 12 in the form of a rigid bottle 112, and a cap assembly 14 indicated generally at 114. Cap assembly 114 is further illustrated in Figs. 9–13 with Figs. 7, 9, and 12 illustrating mouthpiece assembly 118 in a dispensing configuration, and with Figs. 8, 10, and 13 illustrating mouthpiece assembly 118 in a stowed configuration. In the illustrative non-exclusive example of drink bottle 100, a portion of the mouthpiece assembly is adapted to be selectively pivoted between the dispensing configuration and the stowed configuration, and as discussed, may be biased to pivot automatically to the dispensing configuration when not restrained from moving under this bias.

Cap assembly 114 of drink bottle 100 includes a base 116 that includes a vent 64 in the form of an air return assembly with a pressure-actuated valve, a mouthpiece assembly 118 that includes a collar member 70, and a user release mechanism 60. Cap assembly 114 of drink bottle 100 further includes a handle 202 that projects away from base 116 and that includes a pair of lateral guards 204 that at least partially define a

stowing region 206. Stowing region 206 is sized and otherwise adapted to receive at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration. In the non-exclusive example of drink bottle 100, stowing region 206 receives bite-actuated mouthpiece 176 and at least a portion of tube 78. When present, handle 202 may (but is not required to) define a closed perimeter, or boundary, 208 through which a lanyard, karabiner, belt, strap, user's finger, or other structure may extend to hold and/or retain the drink bottle in a selected position. Other configurations of cap assemblies and handles, including cap assemblies without handles, are also within the scope of the present disclosure. It is also within the scope of the present disclosure that other cap assemblies 14 and drink containers 10 may include a handle, including but not limited to the illustrative, non-exclusive example of a handle depicted in Figs. 7-13.

The illustrative, non-exclusive example of mouthpiece assembly 118 of drink bottle 100 includes an optional rigid collar member 70, which is generally indicated at 170. Rigid collar member 170 defines a through-passage 210 through which tube 78 and a portion of bite-actuated mouthpiece 176 extends. As perhaps best seen in Figs. 12-13, through-passage 210 is defined by an opening 212 that is distal to the anchor portion of the mouthpiece assembly and an opening 214 that is proximal to the anchor portion of the mouthpiece assembly. Opening 212 is defined by a rim 216 that engages the bite-actuated mouthpiece assembly 176. That is, rim 216 engages and mates with channels 84 of the mouthpiece portion to effectively couple the rigid collar member to the mouthpiece portion and generally restrict lateral translation of the rigid collar member relative to the mouthpiece portion. Accordingly, when the rigid collar

member is pivoted, at least the mouthpiece portion of the mouthpiece assembly pivots with it.

Opening 214 of the rigid collar member is defined by a rim 218, which further defines a crimping portion 66. As discussed, crimping portion 66 is adjacent crimping region 44 of tube 78 of the mouthpiece assembly. Accordingly, when the rigid collar member is pivoted from the dispensing configuration to the stowed configuration, the crimping portion 66 engages and crimps the crimping region of the tube to thereby restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, as perhaps best seen in Fig. 13.

In the illustrated example, the crimping portion of the rigid collar member does not engage the crimping region of the tube when the mouthpiece assembly is in the dispensing configuration, as perhaps best seen in Fig. 12; however, it is within the scope of the present disclosure that the crimping portion of the rigid collar member does engage and even partially crimps the crimping region of the tube when the mouthpiece assembly is in the dispensing configuration, as long as the tube is not crimped to such a degree that drink liquid is prevented from flowing through the liquid passage when the mouthpiece assembly is in the dispensing configuration.

The rigid collar member of drink bottle 100 is pivotally, or hingedly, coupled to the handle of cap assembly 114. Accordingly, handle 202 and rigid collar member 170 collectively define a hinge 230, which is indicated in Fig. 9. Lateral guards 204 each include a cylindrical depression 232 that is sized and shaped to mate with a corresponding cylindrical protrusion 234 extending from opposing sides of the rigid collar member, as perhaps best seen in Fig. 11.

As discussed, cap assemblies 14 according to the present disclosure include a mouthpiece securing mechanism 52 that is adapted to selectively retain the mouthpiece assembly in the stowed configuration. As illustrated, the base of cap assembly 114 includes a first catch structure 54, and the rigid collar member 170 includes a second
5 catch structure 56 that is adapted to engage and mate with the first catch structure when the mouthpiece assembly is in the stowed configuration. The first catch structure of cap assembly 114 includes a pair of cylindrical depressions 154 extending into the lateral guards 204 of the optional handle 202, and the second catch structure of the rigid collar member includes a pair of hemispherical protrusions 156 positioned and sized to
10 mate with the depressions 154 and thereby retain the mouthpiece assembly in its stowed configuration upon a user configuring the mouthpiece assembly to its stowed configuration.

The lateral guards of drink cap assembly 114 further include (but are not required to include) a pair of channels, or depressions, 236 that provide clearance for the
15 hemispherical protrusions 156 to pass when the mouthpiece assembly is reconfigured from the dispensing configuration to the stowed configuration and the first and second catch structures are engaged. Channels 236 may also be described as ramps. When the channels 236 are present, the hemispherical protrusions of the mouthpiece securing mechanism will not be overly worn-down due to engagement and friction with the lateral
20 guards through repeated reconfigurations of the mouthpiece assembly by a user.

Cap assembly 114 of drink bottle 100 includes an optional user release mechanism 60, indicated generally at 160, and which is adapted to permit the reconfiguring of the mouthpiece assembly from the stowed configuration to the

dispensing configuration. As perhaps best seen in Fig. 11, user release mechanism 160 of drink bottle 100 includes a sliding member 238. Sliding member 238 includes a user engagement pad 240 and an actuator, such as may be implemented and/or described as a generally planar portion 242, that includes a pair of tabs 244 that slide within a pair of corresponding channels 246 that extend into lateral guards 204 of handle 202. Sliding member 238 is configured to slide relative to the base of the cap assembly upon user actuation of the user release mechanism 160 (i.e., upon user engagement and translation of the user engagement pad 240). Planar portion 242 of sliding member 238 partially defines stowing region 206 together with lateral guards 204 of handle 202.

Sliding member 238 also includes a pair of biasing members 250 that slide within channels 246, and which may be integral with the sliding member. Biasing members 250 may be described as springs or leaf springs and may include arcuate projections, or tabs, that are biased to the positions illustrated in Fig. 11. A pair of wedge-shaped tabs 252 is positioned within the channels 246, and when the sliding member 238 is caused to translate toward tube 78 of the mouthpiece assembly in response to user engagement and translation of the user engagement pad, biasing members 250 are compressed against the wedge-shaped tabs. When the user engagement pad is released by a user, the sliding member is biased, or springs, away from tube 78 of the mouthpiece assembly.

Sliding member 238 includes a collar engagement portion 254 that is adapted to engage the rigid collar member and force disengagement of the first and second catch structures upon actuation of the user release mechanism (i.e., upon engagement and translation of the user engagement pad). The collar engagement portion 254 of drink

bottle 100 is in the form of a tab that extends away from the planar portion. Accordingly, upon actuation of user release mechanism 160, the collar engagement portion engages rim 216 of the rigid collar member and forces disengagement of the first and second catch structures. Additionally or alternatively, a collar engagement portion according to
5 the present disclosure may be adapted to translate relative to and wedge the rigid collar member so that the rigid collar member is forced to pivot. Pivoting of the rigid collar member thereby forces disengagement of the first and second catch structures and thus forces the mouthpiece assembly to reconfigure from the stowed configuration to the dispensing configuration due to the bias of the mouthpiece assembly.

10 Sliding member 238 includes an optional depression 256 that extends into planar portion 242 and adjacent tab 254 (as perhaps best seen in Fig. 11). Depression 256 is sized and shaped to receive at least a portion of the rigid collar member when the mouthpiece assembly is in the stowed configuration.

In addition, or in the alternative, to user release mechanism 160 providing a
15 mechanism for releasing the mouthpiece assembly from the stowed configuration to the dispensing configuration, mouthpiece assemblies according to the present disclosure also may include (but are not required to include) another form of user release mechanism 60. For example, the rigid collar member of drink bottle 100 may include a user engagement portion 260 that, when the mouthpiece assembly is in the stowed
20 configuration, is adapted to receive a user-imparted force that pivots the mouthpiece assembly and thereby forces disengagement of the first and second catch structures of the mouthpiece securing mechanism. User engagement portion 260 may be described

as a user release mechanism 60, or at least a portion thereof, according to the present disclosure.

Rigid collar member 170 of drink bottle 100 further includes an optional stop surface 262 that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration but that does engage the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration. Accordingly, the stop surface may thereby define a dispensing position of the mouthpiece portion. In other words, when the mouthpiece assembly is released from the stowed configuration, the stop surface may prevent the mouthpiece portion from pivoting beyond its intended position for dispensing drink liquid therefrom. Accordingly, the stop surface further prevents the tube of the mouthpiece assembly from folding over on itself, or crimping, in a direction opposite from the intended stowed configuration in which crimping of the tube is desired. Therefore, when a user is consuming drink liquid from the mouthpiece, the user may be prevented from accidentally restricting the liquid passage simply by imparting a pivoting force on the mouthpiece assembly away from the stowed configuration.

As seen in Figs. 12–13, straw 68, when present, may be sized to be received within at least a portion of the liquid passage 36 of the mouthpiece assembly in a friction fit arrangement. Other configurations are also within the scope of the present disclosure.

The following lettered paragraphs represent non-exclusive ways of describing inventions according to the present disclosure.

A. A drink container, comprising:

a liquid container having a neck with an opening and having an internal
5 compartment sized to hold a volume of potable drink liquid;

a cap assembly removably coupled to the liquid container, the cap assembly comprising:

a base removably coupled to the neck of the liquid container and including
a through-passage;

10 a first catch structure;

a mouthpiece assembly extending through the through-passage of the
base and defining a liquid passage through which drink liquid from the liquid container
may selectively flow, and further defining an inlet through which drink fluid in the internal
compartment may enter the liquid passage and an outlet through which drink liquid from
15 the internal compartment of the liquid container is selectively dispensed, wherein the
mouthpiece assembly is configured to be selectively configured between a dispensing
configuration, in which the liquid passage permits drink liquid to flow from the internal
compartment at least into the liquid passage, and a stowed configuration, in which the
liquid passage restricts the flow of drink liquid through the liquid passage, wherein the
20 mouthpiece assembly is biased to the dispensing configuration, and wherein the
mouthpiece assembly comprises:

a mouthpiece portion that includes the outlet;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the
5 mouthpiece assembly is in the stowed configuration; and

a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically disengage the first
10 and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

A1 The drink container of paragraph A, wherein the user release mechanism includes a mouthpiece assembly engagement portion adapted to engage the
15 mouthpiece assembly and force disengagement of the first and second catch structures upon actuation of the user release mechanism.

A2 The drink container of any preceding paragraph, wherein the mouthpiece assembly further includes a rigid collar member that is pivotally coupled to the base and which includes a crimping portion; wherein the crimping portion is adjacent the crimping
20 region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration.

A2.1 The drink container of paragraph A2, wherein the rigid collar member includes the second catch structure, and further wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member and force disengagement of the first and second catch structures upon actuation of the user release mechanism.

A2.1.1 The drink container of paragraph A2.1, wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to and wedge the rigid collar member to force the rigid collar member to pivot.

A2.2 The drink container of paragraph A2, wherein the rigid collar member is engaged with the mouthpiece portion.

A2.2.1 The drink container of paragraph A2.2, wherein the rigid collar member does not engage the tube when the mouthpiece assembly is in the dispensing configuration.

A2.2.2 The drink container of paragraph A2.2, wherein the mouthpiece portion includes a seat for the rigid collar member in which the rigid collar member engages the mouthpiece portion, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

A2.3 The drink container of paragraph A2, wherein the rigid collar member includes a user engagement portion, wherein when the mouthpiece assembly is in the stowed configuration and upon a user imparted force on the user engagement portion that pivots the rigid collar member, the first and second catch structures disengage and

thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

A2.4 The drink container of paragraph A2, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion.

A3 The drink container of any preceding paragraph, wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration.

A4 The drink container of any preceding paragraph, wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material.

A4.1 The drink container of any preceding paragraph, wherein the mouthpiece assembly further includes an anchor portion extending from the tube, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.

A6 The drink container of any preceding paragraph, wherein the cap assembly further includes a handle that projects away from the base of the cap assembly, wherein the handle includes a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration.

A6.1 The drink container of paragraph A6, wherein the stowing region is at least partially defined by a portion of the user release mechanism.

A6.1.1 The drink container of paragraph A6.1, wherein the user release mechanism includes an actuator that is configured to slide relative to the base of the cap assembly upon user actuation of the user release mechanism, wherein the stowing region is defined by at least the pair of lateral guards and the actuator of the user release mechanism.

A7 The drink container of any preceding paragraph, wherein the mouthpiece assembly is configured to be selectively coupled to and decoupled from an operative position on the base of the cap assembly via an underside of the base but not via a top side of the base.

A7.1 The drink container of paragraph A7, wherein the mouthpiece assembly further includes an anchor portion extending from the tube, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.

A7.1.1 The drink container of paragraph A7.1, wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.

A8 The drink container of any preceding paragraph, wherein the mouthpiece portion includes a bite-actuated mouthpiece.

A8.1 The drink container of paragraph A8, wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material.

- B. A drink container, comprising:
- a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid;
 - a cap assembly removably coupled to the liquid container, the cap assembly
- 5 comprising:
- a base removably coupled to the neck of the liquid container and including a through-passage;
 - a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container
- 10 may selectively flow, and further defining an outlet through which drink liquid is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein
- 15 the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:
- a mouthpiece portion including the outlet;
 - a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube
- 20 includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, wherein the mouthpiece portion

and the tube are constructed as a unitary assembly of the resiliently deformable material; and

a rigid collar member pivotally coupled to the base and including a crimping portion adjacent the crimping region of the tube and adapted to engage and
5 crimp the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration;

a mouthpiece securing mechanism adapted to selectively retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically release the
10 mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

B1 The drink container of paragraph B, wherein the mouthpiece portion includes a bite-actuated mouthpiece.

B2 The drink container of any of paragraphs B-B1, wherein the mouthpiece
15 assembly further includes an anchor portion extending from the tube, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly.

B2.1 The drink container of paragraph B2, wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently
20 deformable material.

B3 The drink container of any of paragraphs B-B2.1, wherein the rigid collar member is engaged with the mouthpiece portion.

B3.1 The drink container of paragraph B3, wherein the rigid collar member does not engage the tube when the mouthpiece assembly is in the dispensing configuration.

B3.1.1 The drink container of paragraph B3.1, wherein the mouthpiece portion includes a seat for the rigid collar member, with the rigid collar member engaging the mouthpiece portion therein, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

B4 The drink container of any of paragraphs B-B3.1.1, wherein the rigid collar member includes a user engagement portion, wherein when the mouthpiece assembly is in the stowed configuration and upon a user imparted force on the user engagement portion that pivots the rigid collar member, the mouthpiece assembly is released from the stowed configuration.

B5 The drink container of any of paragraphs B-B4, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion.

C. A drink container, comprising

- a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid;
- a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base removably coupled to the neck of the liquid container and including a through-passage;

a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration in which the liquid passage permits drink liquid to flow from the internal compartment for consumption by a user and a stowed configuration in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:

a mouthpiece portion including an outlet through which drink liquid from the internal compartment may be dispensed when the mouthpiece assembly is in the dispensing configuration; and

means for selectively restricting the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration;

means for selectively securing the mouthpiece assembly in the stowed configuration; and

means for automatically releasing the mouthpiece assembly from the stowed configuration to the dispensing configuration in response to a user input.

C1 The drink container of paragraph C, wherein the mouthpiece assembly is a bite-actuated mouthpiece that is biased to a closed configuration through which drink liquid may not flow.

C2 The drink container of any of paragraphs C-C1, wherein the mouthpiece portion and the means for selectively restricting are a unitary assembly of a resiliently deformable material.

C3 The drink container of paragraph C2, wherein the mouthpiece assembly further includes an anchor portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly, and wherein the unitary assembly includes the anchor portion.

5 D. A mouthpiece assembly that defines a liquid passage through which drink liquid from a liquid container may selectively flow, comprising:

a mouthpiece portion that defines an outlet to the mouthpiece assembly through which drink fluid may be selectively dispensed;

a tube that defines at least a portion of the liquid passage for drink liquid to flow
10 from the liquid container to the mouthpiece portion, wherein the tube is at least partially constructed of a resiliently deformable material; and

an anchor portion extending from the tube, wherein the anchor portion is adapted to secure the mouthpiece assembly to a cap assembly of a liquid container;

wherein one of the tube and the anchor portion defines an inlet to the mouthpiece
15 assembly through which drink fluid may selectively enter the liquid passage.

D1 The mouthpiece assembly of paragraph D, wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material.

D2 The mouthpiece assembly of paragraph D, wherein the mouthpiece
20 assembly, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.

D3 The mouthpiece assembly of any of paragraphs D–D2, wherein the mouthpiece portion has a greater exterior perimeter than the tube and the anchor portion has a greater exterior perimeter than the tube.

5 D4 The mouthpiece assembly of any of paragraphs D–D3, wherein the tube includes a crimping region constructed of the resiliently deformable material and is adapted to restrict the flow of drink fluid through the liquid passage when the tube is crimped.

10 D5 The mouthpiece assembly of any of paragraphs D–D4, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the liquid container at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration.

15 D5.1 The mouthpiece assembly of paragraph D5, wherein the tube at least partially biases the mouthpiece assembly to the dispensing configuration.

D6 The mouthpiece assembly of any of paragraphs D–D5.1, wherein the mouthpiece portion includes a user-actuated valve.

D7 The mouthpiece assembly of any of paragraphs D–D6, wherein the mouthpiece portion includes a bite-actuated mouthpiece.

20 E A cap assembly, comprising:

a base adapted to be removably coupled to a liquid container and including a through-passage; and

a mouthpiece assembly according to any of paragraphs D–D7 and extending though the through-passage of the base.

E1 The cap assembly of paragraph E,

wherein the mouthpiece assembly is configured to be selectively configured
5 between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration;

10 wherein the cap assembly includes a first catch structure; and

wherein the mouthpiece assembly includes a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration.

E2 The cap assembly of paragraph E1, wherein the cap assembly further
15 includes a user release mechanism to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

E2.1 The cap assembly of paragraph E2, wherein the user release mechanism
20 includes a mouthpiece assembly engagement portion adapted to engage the mouthpiece assembly and force disengagement of the first and second catch structures upon actuation of the user release mechanism.

E2.2 The cap assembly of any of paragraphs E-E2.1,

wherein the tube include a crimping region;

wherein the mouthpiece assembly further includes a rigid collar member that is pivotally coupled to the base and which includes a crimping portion, wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration.

E2.2.1 The cap assembly of paragraph E2.2, wherein the rigid collar member includes the second catch structure, and further wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member and force disengagement of the first and second catch structures upon actuation of the user release mechanism.

E2.2.1.1 The cap assembly of paragraph E2.2 or E2.2.1, wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to and wedge the rigid collar member to force the rigid collar member to pivot.

E2.2.2 The cap assembly of any of paragraphs E2.2-E2.2.1.1, wherein the rigid collar member is engaged with the mouthpiece portion.

E2.2.2.1 The cap assembly of any of paragraphs E2.2-E2.2.2, wherein the rigid collar member does not engage the tube when the mouthpiece assembly is in the dispensing configuration.

E2.2.2.2 The cap assembly of any of paragraphs E2.2-E2.2.2.1, wherein the mouthpiece portion includes a seat for the rigid collar member in which the rigid collar member engages the mouthpiece portion, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

5 E2.2.3 The cap assembly of any of paragraphs E2.2-E2.2.2.2, wherein the rigid collar member includes a user engagement portion, wherein when the mouthpiece assembly is in the stowed configuration and upon a user imparted force on the user engagement portion that pivots the rigid collar member, the first and second catch structures disengage and thereby release the mouthpiece assembly to move via its bias
10 from the stowed configuration to the dispensing configuration.

E2.2.4 The cap assembly of any of paragraphs E2.2-E2.2.3, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the
15 dispensing configuration to define a dispensing position of the mouthpiece portion.

E3 The cap assembly of any of paragraphs E-E2.2.4,
wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed
20 configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration; and

wherein the cap assembly further comprises:

a handle that projects away from the base of the cap assembly, wherein the handle includes a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration.

5 E4 The cap assembly of any of paragraphs E–E3, wherein the mouthpiece assembly is configured to be selectively coupled to and decoupled from an operative position on the base of the cap assembly via an underside of the base but not via a top side of the base.

10 In the event that any of the references that are incorporated by reference herein define a term in a manner or are otherwise inconsistent with either the non-incorporated disclosure of the present application or with any of the other incorporated references, the non-incorporated disclosure of the present application shall control and the term or terms as used therein only control with respect to the patent document in which the term or terms are defined.

15 The disclosure set forth above encompasses multiple distinct inventions with independent utility. While each of these inventions has been disclosed in a preferred form or method, the specific alternatives, embodiments, and/or methods thereof as disclosed and illustrated herein are not to be considered in a limiting sense, as numerous variations are possible. The present disclosure includes all novel and non-
20 obvious combinations and subcombinations of the various elements, features, functions, properties, methods and/or steps disclosed herein. Similarly, where any disclosure above or claim below recites “a” or “a first” element, step of a method, or the equivalent

thereof, such disclosure or claim should be understood to include one or more such elements or steps, neither requiring nor excluding two or more such elements or steps.

Inventions embodied in various combinations and subcombinations of features, functions, elements, properties, steps and/or methods may be claimed through
5 presentation of new claims in a related application. Such new claims, whether they are directed to a different invention or directed to the same invention, whether different, broader, narrower, or equal in scope to the original claims, are also regarded as included within the subject matter of the present disclosure.

Industrial Applicability

10 The drink containers of the present disclosure are applicable to the hydration fields, and are specifically applicable to portable drink containers from which users may selectively drink potable drink liquid.

CLAIMS:

1. A drink container, comprising:
 - a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid; and
 - a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base removably coupled to the neck of the liquid container and including a through-passage;
 - a first catch structure;
 - a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:
 - a mouthpiece portion that includes the outlet;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the mouthpiece portion and the tube are constructed as a unitary assembly of the resiliently deformable material;

an anchor portion extending from the tube distal the mouthpiece portion, wherein the anchor portion is sized to restrict passage of the anchor portion through the through-passage of the base of the cap assembly; and

a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration; and

a user release mechanism adapted to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration.

2. The drink container of claim 1, wherein the user release mechanism is mechanically coupled to the first catch structure.

3. The drink container of claim 1, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member that is configured to reversibly translate along the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad away from a position where the sliding member disengages the first and the second catch structures.

4. The drink container of claim 3, wherein the sliding member further includes a collar engagement portion that projects from the sliding member and which is configured to force disengagement of the first and the second catch structures upon actuation of the user release mechanism.

5. The drink container of claim 1, wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration.

6. The drink container of claim 1, wherein the cap assembly further includes a handle that projects away from the base of the cap assembly and a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration.

7. The drink container of claim 1, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

8. The drink container of claim 1, wherein the mouthpiece portion permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration.

9. The drink container of claim 1, wherein the mouthpiece portion, the tube, and the anchor portion are constructed as a unitary assembly of the resiliently deformable material.

10. The drink container of claim 1, wherein the mouthpiece assembly further includes a rigid collar member that is pivotally coupled to the base and which includes a crimping portion; wherein the tube of the mouthpiece assembly extends at least partially through the rigid collar member; wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration.

11. The drink container of claim 10, wherein the rigid collar member includes the second catch structure, and further wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member.

12. The drink container of claim 11, wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly.

13. The drink container of claim 10, wherein the mouthpiece portion includes a seat for the rigid collar member in which the rigid collar member engages the mouthpiece portion, wherein the seat restricts relative movement between the mouthpiece portion and the rigid collar member.

14. The drink container of claim 10, wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion.

15. The drink container of claim 1, wherein the anchor portion includes a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage.

16. The drink container of claim 1, wherein the drink container includes a straw with a first end that extends into the liquid container and a second end that extends into the liquid passage and is retained therein by the friction-fit arrangement.

17. The drink container of claim 1, wherein the cap assembly further includes:
an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

18. A drink container, comprising:

- a liquid container having a neck with an opening and having an internal compartment sized to hold a volume of potable drink liquid;
- a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base removably coupled to the neck of the liquid container and including a through-passage;
 - a first catch structure;
 - a mouthpiece assembly extending through the through-passage of the base and defining a liquid passage through which drink liquid from the liquid container may selectively flow, and further defining an inlet through which drink liquid in the internal compartment may enter the liquid passage and an outlet through which drink liquid from the internal compartment of the liquid container is selectively dispensed, wherein the mouthpiece assembly is configured to be selectively configured between a dispensing configuration, in which the liquid passage permits drink liquid to flow from the internal compartment at least into the liquid passage, and a stowed configuration, in which the liquid passage restricts the flow of drink liquid through the liquid passage, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly comprises:
 - a mouthpiece portion that includes the outlet and permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration, wherein the mouthpiece portion includes a seat;

a tube that defines at least a portion of the liquid passage for drink liquid to flow from the internal compartment to the mouthpiece portion, wherein the tube includes a crimping region constructed of a resiliently deformable material and is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, and wherein the crimping region at least partially biases the mouthpiece assembly to the dispensing configuration;

an anchor portion extending from the tube distal the mouthpiece portion and including a plurality of flanges that are sized and shaped to provide a friction-fit arrangement with the through-passage and to restrict passage of the anchor portion through the through-passage of the base of the cap assembly, wherein the anchor portion, the mouthpiece portion, and the tube are constructed as a unitary assembly of the resiliently deformable material; and

a rigid collar member that is pivotally coupled to the base and which includes a crimping portion, wherein the crimping portion is adjacent the crimping region of the tube and external of the liquid passage, wherein the rigid collar member engages and crimps the crimping region to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration, wherein the rigid collar member includes a second catch structure adapted to be selectively engaged with the first catch structure to retain the mouthpiece assembly in the stowed configuration, wherein the rigid collar member engages the seat of the mouthpiece portion and restricts relative movement between the mouthpiece portion and the rigid collar member, and wherein the rigid collar member includes a stop surface that does not engage the base of the cap assembly when the mouthpiece assembly is in the

stowed configuration and that engages the base of the cap assembly when the mouthpiece assembly is in the dispensing configuration to define a dispensing position of the mouthpiece portion;

a handle that projects away from the base of the cap assembly;

a pair of lateral guards that at least partially define a stowing region that receives at least a portion of the mouthpiece assembly between the pair of lateral guards when the mouthpiece assembly is in the stowed configuration;

a user release mechanism configured to automatically disengage the first and second catch structures upon actuation of the user release mechanism and thereby release the mouthpiece assembly to move via its bias from the stowed configuration to the dispensing configuration; wherein the user release mechanism includes a collar engagement portion that is adapted to engage the rigid collar member; and further wherein when the mouthpiece assembly is in the stowed configuration and upon actuation of the user release mechanism, the collar engagement portion is adapted to translate relative to the rigid collar member and cause the first catch structure to disengage the second catch structure and thus permit the rigid collar member to pivot due to the bias of the mouthpiece assembly; and

an air return assembly adapted to permit air from external the drink container to enter the internal compartment of the liquid container without having to pass through the liquid passage of the mouthpiece assembly, wherein the mouthpiece portion is positioned directly above the air return assembly when the mouthpiece assembly is in the stowed configuration and is not positioned directly above the air return assembly when the mouthpiece assembly is in the dispensing configuration.

19. The drink container of claim 18, wherein the base of the cap assembly includes a sidewall and defines a recess with a pair of opposed channels; wherein the user release mechanism includes a sliding member from which the collar engagement portion extends and which is configured to reversibly translate along the recess to selectively disengage the first and the second catch structures; wherein the sliding member includes a pair of opposed tabs that slide within the pair of opposed channels as the sliding member translates along the recess; wherein the user release mechanism further includes a user engagement pad that is coupled to the sliding member and which extends through the sidewall of the base of the cap assembly for selective engagement by a user; and further wherein the user release mechanism includes at least one biasing member that urges the sliding member and user engagement pad away from a position where the sliding member disengages the first and the second catch structures.

20. The drink container of claim 18, wherein the mouthpiece portion includes a bite-actuated mouthpiece and the outlet is a sealable outlet, wherein the bite-actuated mouthpiece is selectively configured between an open configuration, in which the sealable outlet is open and permits drink liquid to flow therethrough, and a closed configuration, in which the sealable outlet restricts drink liquid from flowing therethrough, wherein the bite-actuated mouthpiece is biased to the closed configuration, and further wherein the bite-actuated mouthpiece is selectively configured from the closed configuration to the open configuration responsive to a user biting upon opposed sidewalls of the bite-actuated mouthpiece.

21. A drink container, comprising:

- a liquid container; and
- a cap assembly removably coupled to the liquid container, the cap assembly comprising:
 - a base that defines a through-passage;
 - a mouthpiece assembly that extends through the through-passage of the base and defines a liquid passage, wherein the mouthpiece assembly has a dispensing configuration and a stowed configuration, wherein the mouthpiece assembly is biased to the dispensing configuration, and wherein the mouthpiece assembly includes:
 - a resilient mouthpiece portion that permits a user to draw drink liquid from the drink container when the mouthpiece assembly is in the dispensing configuration;
 - a resilient tube connected to the mouthpiece portion and including a crimping region that is adapted to restrict flow of drink liquid through the mouthpiece assembly when the mouthpiece assembly is in the stowed configuration; and
 - a resilient anchor portion extending from the resilient tube opposite the resilient mouthpiece portion, wherein the anchor portion is sized to restrict passage of the resilient anchor portion through the through-passage and thus restrict removal of the mouthpiece assembly via a top side of the cap assembly, and wherein the resilient mouthpiece portion, the resilient tube, and the resilient anchor portion are constructed as a unitary assembly; and

a user release mechanism adapted to automatically release the mouthpiece assembly from the stowed configuration to the dispensing configuration via the bias of the mouthpiece assembly.

Abstract of the Disclosure

Drink containers with mouthpiece assemblies having a dispensing configuration and a stowed configuration. A mouthpiece assembly defines a liquid passage through which drink liquid may be dispensed when the mouthpiece assembly is in the dispensing configuration and includes means for selectively restricting the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. In some examples, the means for selectively restricting the flow of drink liquid include a tube that at least partially defines the liquid passage and which includes a crimping region. The crimping region may be constructed of a resiliently and reversibly deformable material that is adapted to restrict the flow of drink liquid through the liquid passage when the mouthpiece assembly is in the stowed configuration. In some embodiments, the mouthpiece assembly includes a means for automatically releasing the mouthpiece assembly from its stowed configuration to a dispensing configuration.

Fig. 1

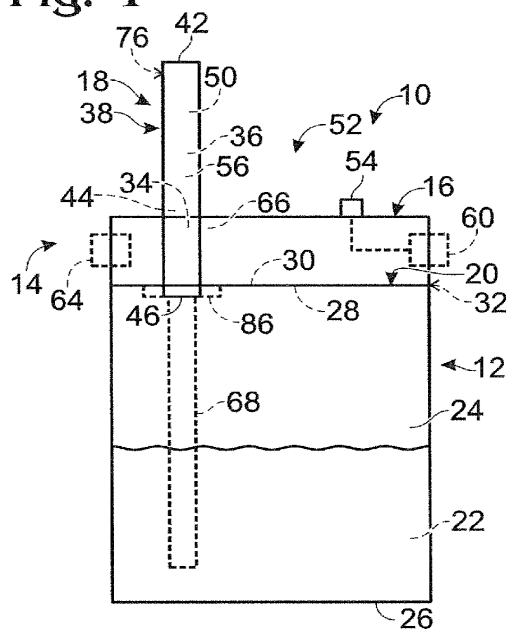


Fig. 2

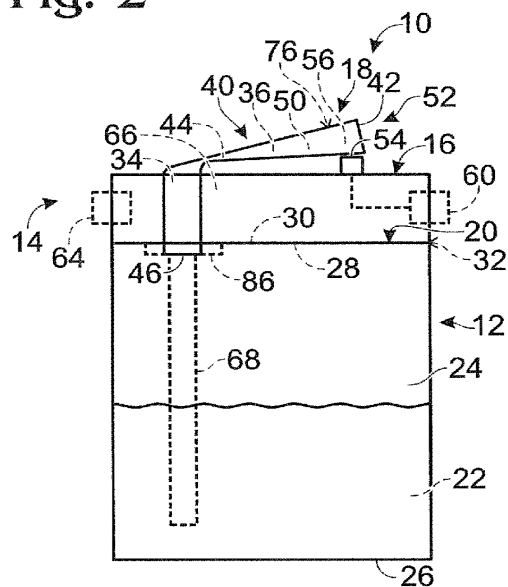


Fig. 3

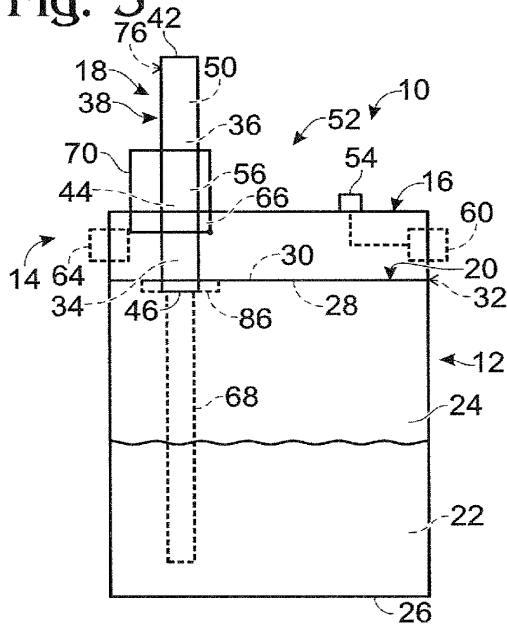


Fig. 4

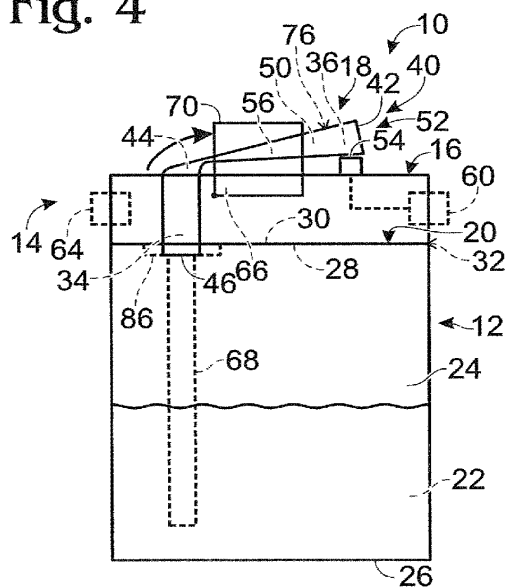


Fig. 5

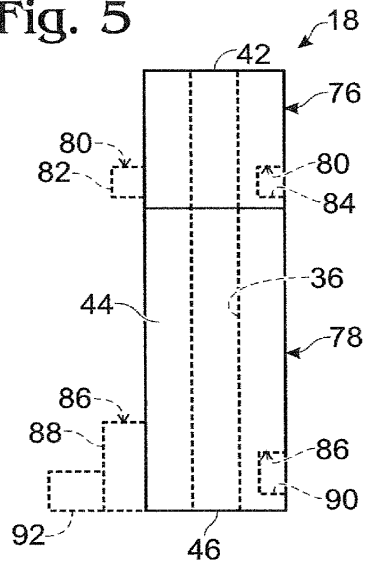


Fig. 7

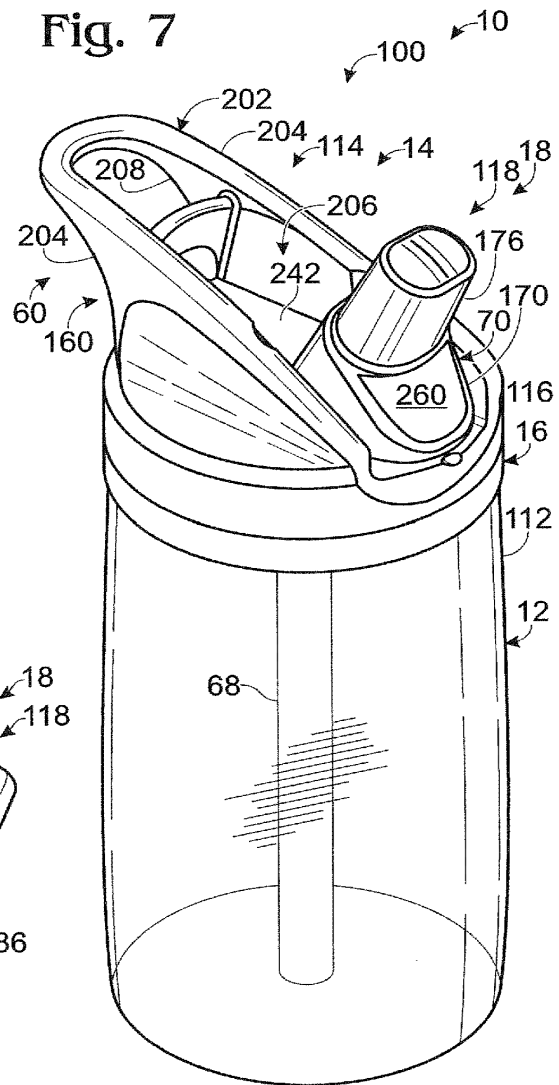
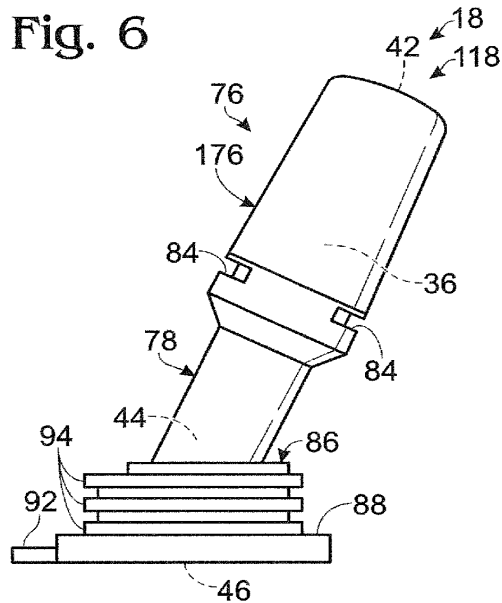


Fig. 6



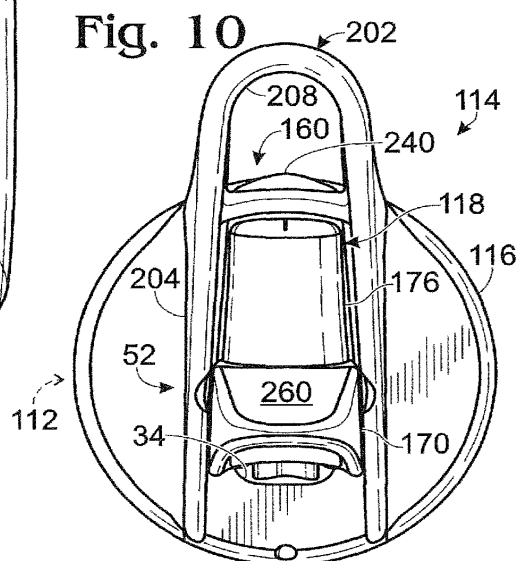
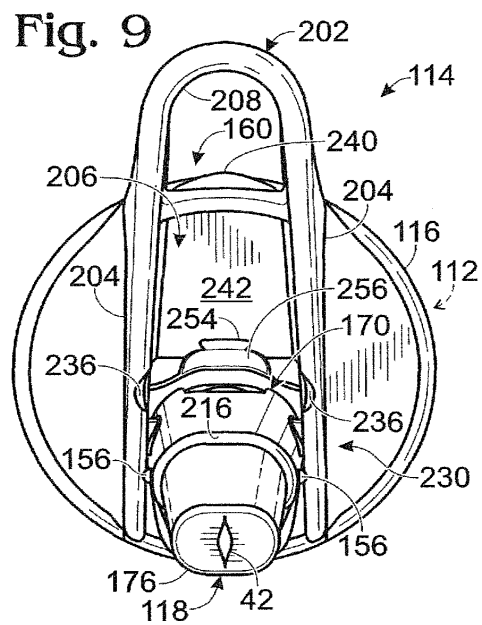
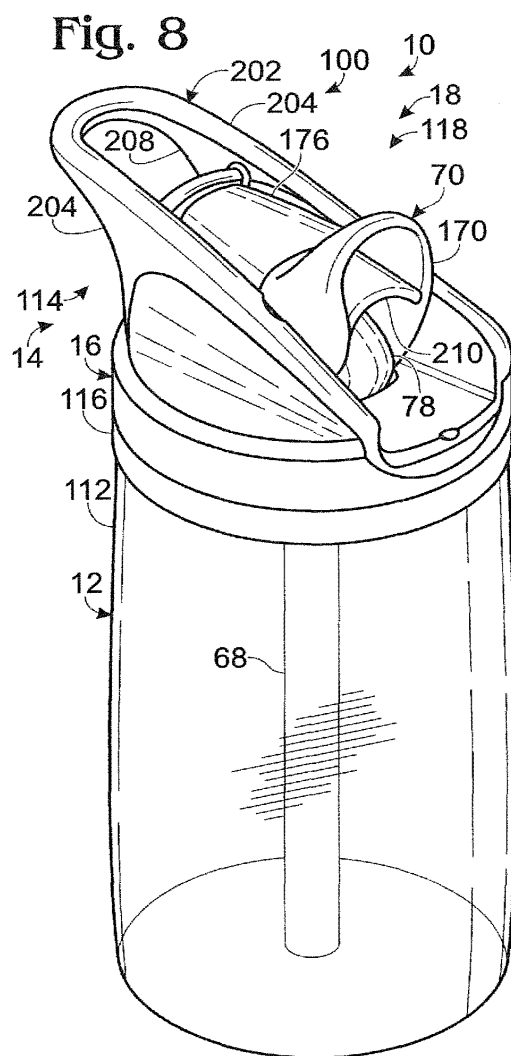


Fig. 11

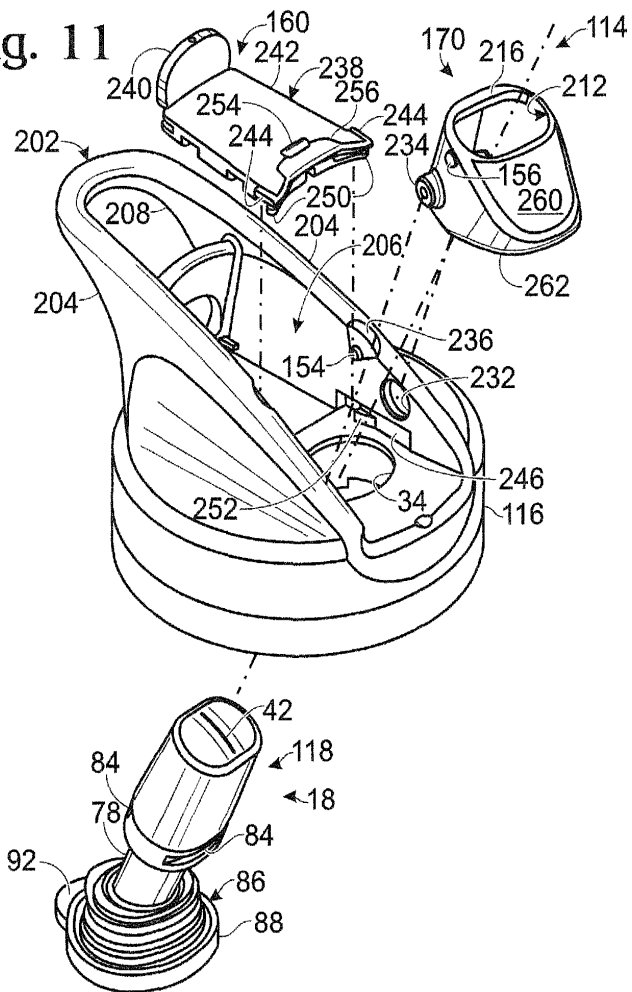
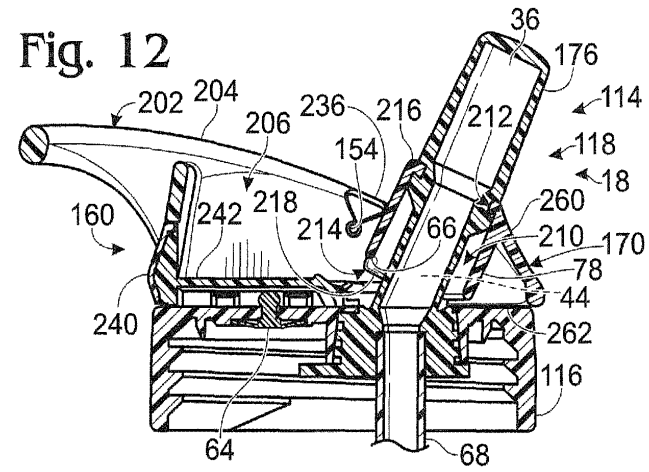
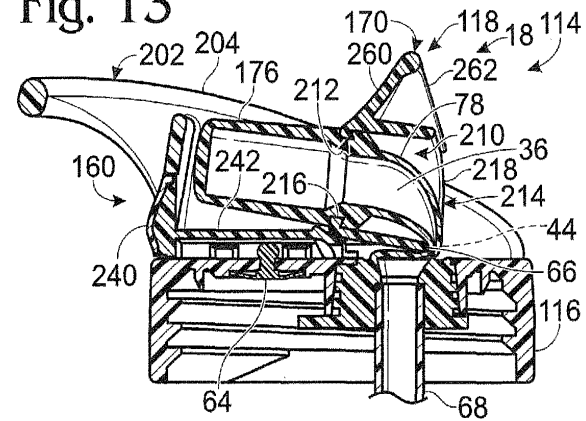


Fig. 12



4/4

Fig. 13



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Date: May 24, 2012

In re Application of:

JEFF DAVIES and DEREK GAVIN SULLIVAN

Serial No. : Not yet assigned

Filed : May 24, 2012

For : DRINK CONTAINERS

Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicants are submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the U.S. Patent and Trademark Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 forms. The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicants respectfully request that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the “references cited” on any patents issuing therefrom.

CONTENT OF DISCLOSURE

This Information Disclosure Statement includes four pages of PTO-1449 forms; however, it does not include copies of the references listed on the forms, as permitted under 37 C.F.R. § 1.98(d), because copies already were provided in an earlier U.S. application (Serial

No. 12/357,114), or a priority application thereto, that is relied upon here for an earlier effective filing date under 35 U.S.C. § 120.

TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed with the application, or with a Request for Continued Examination of the application under 37 C.F.R. § 1.114. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

Respectfully submitted,

CERTIFICATE OF E-FILING

I hereby certify that this correspondence and the accompanying PTO-1449 forms are being transmitted electronically via the United States Patent and Trademark Office's EFS-Web System on May 24, 2012.



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FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER KRN 356A		APPLICATION NUMBER	
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	2010/0181329	7/22/2010	Davies et al.			
	2010/0170902	7/8/2010	Britto et al.			
	2008/0237233	10/2/2008	Choi et al.			
	2007/0039959	2/22/2007	Choi et al.			
	2006/0226110	10/12/2006	Choi et al.			
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	2005/0205587	9/22/2005	Sampson et al.			
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	2005/0056610	3/17/2005	Randolph et al.			
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	2004/0159820	8/19/2004	Yang			
	2004/0069783	4/15/2004	Chen			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
	WO 98/46106	10/22/1998	WIPO			X
	WO 00/49922	08/31/2000	WIPO			X
OTHER DOCUMENTS						
		Description and photographs of Thermos® Foogo™ Straw Bottle purchased 12/2008.				
EXAMINER			DATE CONSIDERED			

FORM PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION			DOCKET NUMBER KRN 356A		APPLICATION NUMBER	
			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
	2003/0218015	11/27/2003	Randolph et al.			
	2003/0085232	5/8/2003	Leinenweber			
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			

FORM PTO-1449			DOCKET NUMBER		APPLICATION NUMBER	
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			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
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	5,884,793	3/23/1999	Wang			
	5,873,478	2/23/1999	Sullivan et al.			
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OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		

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			APPLICANTS JEFF DAVIES and DEREK GAVIN SULLIVAN			
			FILING DATE May 24, 2012		GROUP ART UNIT	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
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FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			

Electronic Patent Application Fee Transmittal				
Application Number:				
Filing Date:				
Title of Invention:		DRINK CONTAINERS		
First Named Inventor/Applicant Name:		Jeff Davies		
Filer:		David S. D'Ascenzo/Robin Davin		
Attorney Docket Number:		KRN 356A		
Filed as Large Entity				
Utility under 35 USC 111(a) Filing Fees				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Utility application filing	1011	1	380	380
Utility Search Fee	1111	1	620	620
Utility Examination Fee	1311	1	250	250
Pages:				
Claims:				
Claims in excess of 20	1202	1	60	60
Miscellaneous-Filing:				
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1310

Electronic Acknowledgement Receipt	
EFS ID:	12859538
Application Number:	13479962
International Application Number:	
Confirmation Number:	8853
Title of Invention:	DRINK CONTAINERS
First Named Inventor/Applicant Name:	Jeff Davies
Customer Number:	78569
Filer:	David S. D'Ascenzo/Robin Davin
Filer Authorized By:	David S. D'Ascenzo
Attorney Docket Number:	KRN 356A
Receipt Date:	24-MAY-2012
Filing Date:	
Time Stamp:	16:00:50
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1310
RAM confirmation Number	2653
Deposit Account	504551
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees) Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)	

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	Application_Data_Sheet_KRN356A_5-24-12.pdf	142153 11181cc3f5dd9312caf4c5ee94e2b8c9b25d11d4	no	3
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
2	Oath or Declaration filed	Declaration_for_Patent_Application_KRN356A_5-24-12.pdf	285241 3bd0821de47ef7cae6144d797424b477a7ee4a8b	no	2
Warnings:					
Information:					
3		Power_of_Attorney_KRN356A_5-24-12.pdf	476851 55eee5cca2677de9d5f63151f84d7543aa53447	yes	4
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Power of Attorney		1	1	
	Assignee showing of ownership per 37 CFR 3.73(b).		2	4	
Warnings:					
Information:					
4		continuation_patent_application_KRN356A_5-24-12.pdf	483170 76f4e4503d4fc75e538d83791c4c1a1e06b3deb4	yes	57
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	44	
	Claims		45	56	
	Abstract		57	57	
Warnings:					
Information:					
5	Drawings-only black and white line drawings	drawings_KRN356A_5-24-12.pdf	218367 7305bd2d28f89b5a25920b58bfce336441702b2f	no	4
Warnings:					
Information:					

6		Information_Disclosure_Statement_KRN356A_5-24-12.pdf	171855 2914da51194338f33ac43ac63a9d1df962c7d52e	yes	6
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	2	
	Information Disclosure Statement (IDS) Form (SB08)		3	6	
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	36066 88b8269d3e6b587068ea37f29953527c5b1533d0	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			1813703		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	KRN 356A
		Application Number	
Title of Invention	DRINK CONTAINERS		
The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76. This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.			

Secrecy Order 37 CFR 5.2

☐ Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)

Applicant Information:

Applicant 1				
Applicant Authority ☒ Inventor		☐ Legal Representative under 35 U.S.C. 117		☐ Party of Interest under 35 U.S.C. 118
Prefix	Given Name	Middle Name	Family Name	Suffix
	Jeff		Davies	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service				
City	Windsor	State/Province	CA	Country of Residence US
Citizenship under 37 CFR 1.41(b)		US		
Mailing Address of Applicant:				
Address 1		126 Summer Wheat Drive		
Address 2				
City	Windsor	State/Province	CA	
Postal Code	95492	Country	US	
Applicant 2				
Applicant Authority ☒ Inventor		☐ Legal Representative under 35 U.S.C. 117		☐ Party of Interest under 35 U.S.C. 118
Prefix	Given Name	Middle Name	Family Name	Suffix
	Derek	Gavin	Sullivan	
Residence Information (Select One) ☒ US Residency ☐ Non US Residency ☐ Active US Military Service				
City	Oakland	State/Province	CA	Country of Residence US
Citizenship under 37 CFR 1.41(b)		US		
Mailing Address of Applicant:				
Address 1		1511 Leimert Boulevard		
Address 2				
City	Oakland	State/Province	CA	
Postal Code	94602	Country	US	
All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the Add button.				

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ An Address is being provided for the correspondence information of this application.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	KRN 356A
		Application Number	
Title of Invention	DRINK CONTAINERS		
Customer Number	78569		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	DRINK CONTAINERS		
Attorney Docket Number	KRN 356A	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		Sub Class (if any)	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	4	Suggested Figure for Publication (if any)	8

Publication Information:

☐	Request Early Publication (Fee required at time of Request 37 CFR 1.219)
☐	Request Not to Publish. I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Enter either Customer Number or complete the Representative Name section below. If both sections are completed the Customer Number will be used for the Representative Information during processing.			
Please Select One:	☒ Customer Number	☐ US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	78569		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, or 365(c) or indicate National Stage entry from a PCT application. Providing this information in the application data sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78(a)(2) or CFR 1.78(a)(4), and need not otherwise be made part of the specification.			
Prior Application Status		Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of	12357114	2009-01-21
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the Add button.			

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	KRN 356A
		Application Number	
Title of Invention	DRINK CONTAINERS		

This section allows for the applicant to claim benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55(a).

Remove			
Application Number	Country ¹	Parent Filing Date (YYYY-MM-DD)	Priority Claimed
			☐ Yes ☒ No
Additional Foreign Priority Data may be generated within this form by selecting the Add button.			

Assignee Information:

Providing this information in the application data sheet does not substitute for compliance with any requirement of part 3 of Title 37 of the CFR to have an assignment recorded in the Office.

Assignee 1

If the Assignee is an Organization check here. ☒

Organization Name CamelBak Products, LLC

Mailing Address Information:

Address 1	2000 S. McDowell, Suite 200		
Address 2			
City	Petaluma	State/Province	CA
Country ¹	US	Postal Code	94954
Phone Number		Fax Number	
Email Address			

Additional Assignee Data may be generated within this form by selecting the **Add** button.

Signature:

A signature of the applicant or representative is required in accordance with 37 CFR 1.33 and 10.18. Please see 37 CFR 1.4(d) for the form of the signature.

Signature			Date (YYYY-MM-DD)	2012-05-24	
First Name	David S.	Last Name	D'Ascenzo	Registration Number	39952

This collection of information is required by 37 CFR 1.76. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

DECLARATION FOR PATENT APPLICATIONEnglish Language Declaration

As a below-named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe that I am the original, first, and sole inventor (if only one name is listed below) or an original, first, and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled:

DRINK CONTAINERS

the specification of which

 X is attached hereto, or
_____ was filed on _____ as U.S. Patent Application Serial No. _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including, for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f) or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application that designated at least one country other than the United States of America, listed below, and also have identified below any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed?	Certified Copy Attached?

DIRECT COMMUNICATIONS TO:

David S. D'Ascenzo

DASCENZO INTELLECTUAL

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first joint inventor: JEFF DAVIES

Inventor's signature: Jeff Davies Date: 1/20/09

Residence: 8294 Chalk Hill Road, Healdsburg, California 95448

Citizenship: United States of America

Post Office Address: 8294 Chalk Hill Road, Healdsburg, California 95448

Full name of second joint inventor: DEREK GAVIN SULLIVAN

Inventor's signature: [Signature] Date: 1/21/09

Residence: 3033 Blossom Street, Oakland, California 94601

Citizenship: United States of America

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