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	UTILITY		Attorney Docket No	. Al	J-001CIP1	
PATENT APPLICATION		First Inventor	Ri	chard Drysdale		
TRANSMITTAL			Title	C	OMPONENT PRO	TECTIVE
(Only for new nonprovisional applications under 37 CFR 1 53(b))		Express Mail Label	No. N	'A		
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			ADDRESS TO:	P	ommissioner for .O. Box 1450 Jexandria VA 223	
1. Fee Trans	1. Fee Transmittal Form (e.g., PTO/SB/17)  ACCOMPANYING APPLICATION PARTS				ION PARTS	
2. Applicant See 37 CF	claims small entity status.		9. Assignme	Assignment Papers (cover sheet & document(s))		
Specificati     Soth the cla     (For informati		rw page PEP 808.01(a))	Name of	Name of Assignee		
5. Oath or Declaration [Total Sheets ] 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney						
(for cor	ntinuetion/divisional with Box 1: LETION OF INVENTOR(S)		11. English T	ranslatio	on Document (if a	pplicable)
Sign nam	ed statement attached deleting invi- e in the prior application, see 37 Ci (d)(2) and 1.33(b).		12. Informatio	12. Information Disclosure Statement (PTO/SB/98 or PTO-1449) Copies of citations attached		
6. Application	on Data Sheet. See 37 CFR 1.	76	13. Prelimina	ry Amer	idment	
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	nputer Readable Form (CRF) cification Sequence Listing on:				equest under 35 L ttach form PTO/SB	J.S.C. 122(b)(2)(B)(i).
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	NG APPLICATION, check app ing the title, or in an Application			nation be	elow and in the firs	t sentence of the
Continueti	,a	لسنسا	etion-in-part (CIP)	of prior a	application No.: .13/1	58,372
Prior application information: Examiner Unassigned			Ad Unit Unknown			
19. CORRESPONDENCE ADDRESS						
The address associated with Customer Number: 15516 OR Correspondence address below						
Name						
Address						
City	State Zip Code					
Country		Telephone			Email	
Signature /Scott S. Kokka/ Date June 11, 2011						
Name (Print/Type)	Scott S. Kokka				Registration No. (Attorney/Agent)	51,893

This collection of information is required by 37 CFR 1.53(b). 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 36 U.S.C. 122 and 37 CFR 1.11 and 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, 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.

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PTO/SB/35 (07-09)
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NONP	UBLIC	ATION	REQUEST
	U	NDER	
35	U.S.C.	122(b)	(2)(B)(i)

First Named Inventor		Richard Drysdale	
Title	COMPONENT PROTECTIVE OVERMOLDING		
Atterney Docket Number		ALI-001CIP1	

I hereby 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.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

/Scott S. Kokka/		June 11, 2011
	Signature	Date
Scott S. Kokka		51,893
	Typed or printed name	Registration Number, if applicable
(650) 566-9921		
***************************************	Telephone Number	

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).** 

This collection of information is required by 37 CFR 1.213(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 andors 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.

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## **Application Data Sheet**

## **Cross Reference to Related Applications**

This application is a continuation-in-part of U.S. Patent Application No. 13/158,372, filed June 10, 2011 (Attorney Docket No.: ALI-001CIP1), entitled "Component Protective Overmolding," which is hereby incorporated by reference in its entirety for all purposes.

## **Application Information**

Filing Date:: June 11, 2011

Application Type:: Regular

Subject Matter:: Utility

Suggested Group Art Unit:: None

CD-ROM or CD-R?:: None

Title:: COMPONENT PROTECTIVE

OVERMOLDING

Attorney Docket Number:: ALI-001

Request for Early Publication?:: No

Request for Non-Publication?:: No

Suggested Drawing Figure:: 6A

Total Drawing Sheets:: 10

Small Entity:: No

Petition included?:: No

Secrecy Order in Parent Appl.?:: No

## **Applicant Information**

Applicant Authority type:: Inventor

Primary Citizenship Country:: United States of America

Status:: Full Capacity

Given Name:: Richard

Family Name:: Drysdale

City of Residence:: Sunnyvale

State or Province of Residence:: CA

Country of Residence:: United States of America

Street of mailing address:: 687 W. Maude Avenue

City of mailing address:: Sunnyvale

Country of mailing address:: United States of America

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 94085

Applicant Authority type:: Inventor

Primary Citizenship Country:: United States of America

Status:: Full Capacity

Given Name:: Scott

Family Name:: Fullam

City of Residence:: Palo Alto

State or Province of Residence:: CA

Country of Residence: United States of America

Street of mailing address:: 3982 Sutherland Dr.

City of mailing address:: Palo Alto

Country of mailing address:: United States of America

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 94303

Applicant Authority type:: Inventor

Primary Citizenship Country:: United States of America

Status:: Full Capacity

Given Name:: Skip

Family Name:: Orvis

City of Residence:: Sunnyvale

State or Province of Residence:: CA

Country of Residence:: United States of America

Street of mailing address:: 687 W. Maude Avenue

City of mailing address:: Sunnyvale

Country of mailing address:: United States of America

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 94085

Applicant Authority type:: Inventor

Primary Citizenship Country:: United States of America

Status:: Full Capacity

Given Name:: Nora

Family Name:: Levinson

City of Residence:: Sunnyvale

State or Province of Residence:: CA

Country of Residence:: United States of America

Street of mailing address:: 687 W. Maude Avenue

City of mailing address:: Sunnyvale

Country of mailing address:: United States of America

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 94085

## **Correspondence Information**

Customer Number:: 15516

Name:: Kokka & Backus, PC

Street of mailing address:: 703 High Street

City of mailing address:: Palo Alto

Country of mailing address:: USA

State or Province of mailing address:: CA

Postal or Zip Code of mailing address:: 94301

Telephone:: (650) 566-9921

Fax:: (650) 566-9922

## Representative Information

Representative Customer Number:: 15516

Representative	Registration Number::	Name::
Designation::		
Primary	51,893	Scott S. Kokka

# **Assignee Information**

Name:: AliphCom

Mailing address:: 687 W. Maude Avenue, Sunnyvale, CA 94085

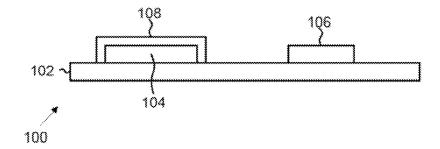


FIG. 1

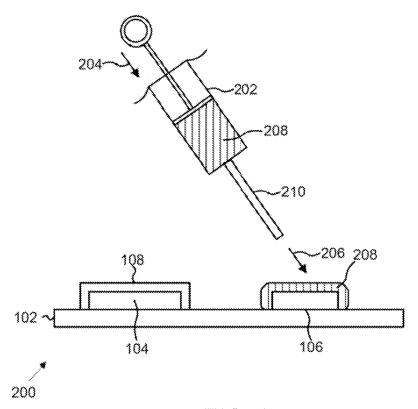


FIG. 2

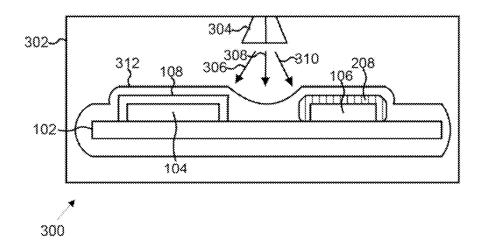


FIG. 3

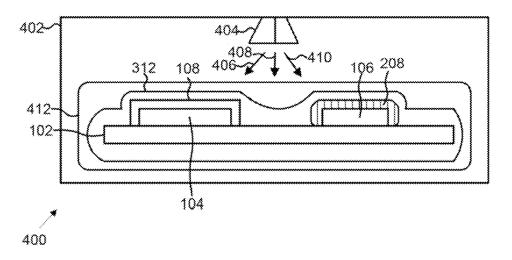


FIG. 4

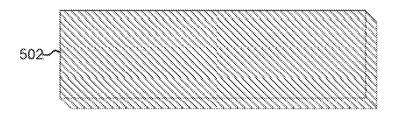


FIG. 5A

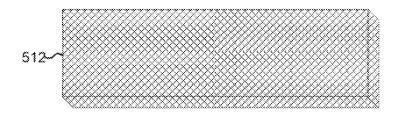


FIG. 5B

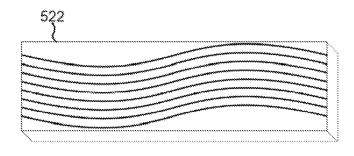


FIG. 5C

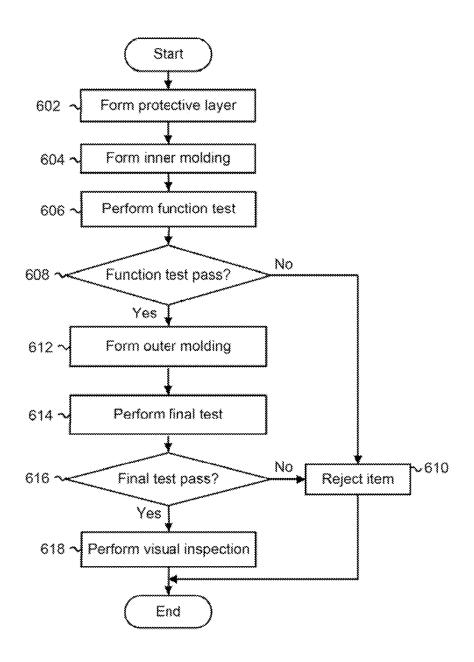


FIG. 6A

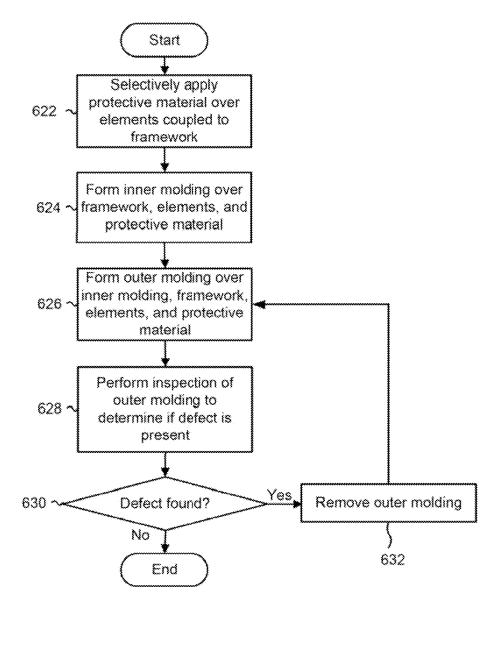


FIG. 6B

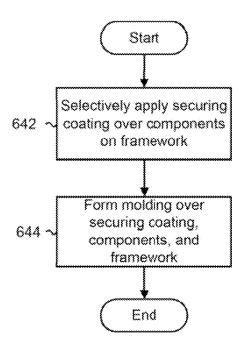




FIG. 6C

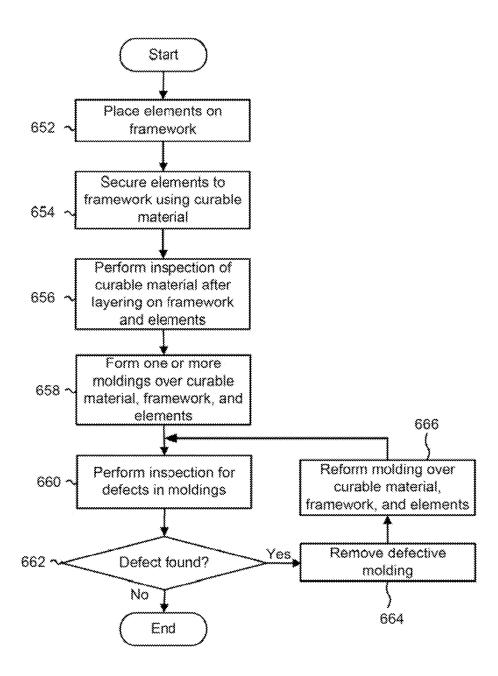
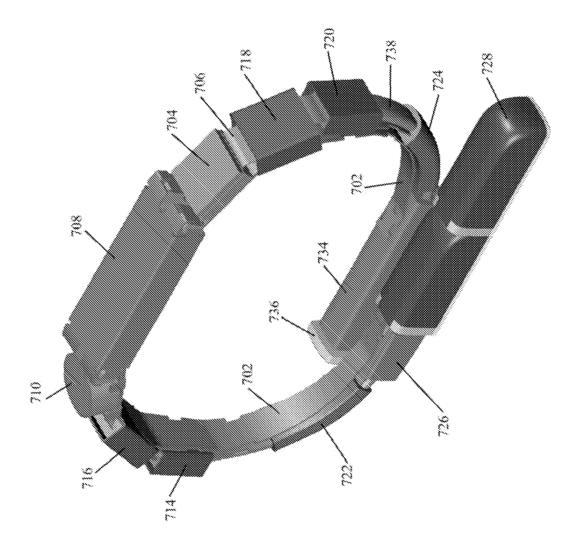


FIG. 6D







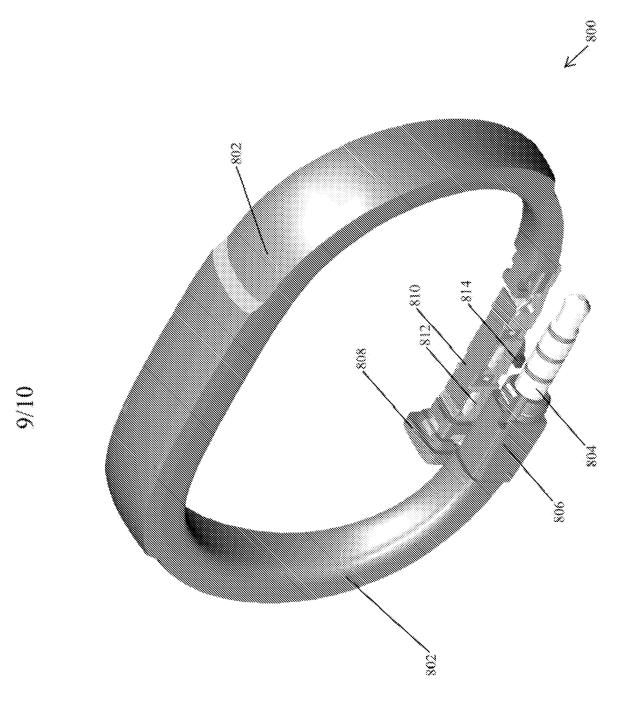




FIG. 9

Electronic Acknowledgement Receipt				
EFS ID:	10284265			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Drysdale			
Customer Number:	15516			
Filer:	Scott Susumu Kokka			
Filer Authorized By:				
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	11-JUN-2011			
Filing Date:				
Time Stamp:	23:39:24			
Application Type:	Utility under 35 USC 111(a)			

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File Listin	g:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)	
1		ALI-001 CIP1_Application FILED.	10314453	yes	50	
·		pdf	c00b3fdbb46469ada731e85036c49624d68 7cee3	1 1		

	Multipart Description/PDF files in .zip description			
	Document Description	Start	End	
	Transmittal of New Application	1	1	
	Nonpublication request from applicant.	2	2	
	Application Data Sheet	3	7	
	Specification	8	33	
	Claims	34	39	
	Abstract	40	40	
	Drawings-only black and white line drawings	41	50	
Warnings:				
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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.

#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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 FOR UNITED STATES PATENT

### COMPONENT PROTECTIVE OVERMOLDING

By Inventors:

Richard Drysdale 687 W. Maude Avenue Sunnyvale, CA 94085 A Citizen of the United States of America

Scott Fullam
3982 Sutherland Dr
Palo Alto, CA 94303
A Citizen of the United States of America

Skip Orvis 687 W. Maude Avenue Sunnyvale, CA 94085 A Citizen of the United States of America

Nora Levinson

Assignee: AliphCom

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301 Tel: (650) 566-9921

#### **COMPONENT PROTECTIVE OVERMOLDING**

#### **CROSS-REFERENCE TO RELATED APPLICATIONS**

- [0001] This application is a continuation-in-part of U.S. Patent Application No. 13/158,372, filed June 10, 2011 (Attorney Docket No.: ALI-001CIP1), entitled
- 5 "Component Protective Overmolding," which is hereby incorporated by reference in its entirety for all purposes.

#### **FIELD**

- [0002] The present invention relates generally to electrical and electronic hardware, computer software, wired and wireless network communications, and computing devices.
- 10 More specifically, techniques for component protective overmolding are described.

#### **BACKGROUND**

[0003] With the advent of greater computing capabilities in smaller mobile form factors and an increasing number of applications (i.e., computer and Internet software or programs) for different uses, consumers (i.e., users) have access to large amounts of data, personal or otherwise. Information and data are often readily available, but poorly captured using conventional data capture devices. Conventional devices typically lack capabilities that can record, store, analyze, communicate, or use data in a contextually-meaningful, comprehensive, and efficient manner. Further, conventional solutions are often limited to specific individual purposes or uses, demanding that users invest in multiple devices in order to perform different activities (e.g., a sports watch for tracking time and distance, a GPS receiver for monitoring a hike or run, a cyclometer for gathering cycling data, and others). Although a wide range of data and information is

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available, conventional devices and applications generally fail to provide effective solutions that comprehensively capture data for a given user across numerous disparate activities.

[0004] Some conventional solutions combine a small number of discrete functions. Functionality for data capture, processing, storage, or communication in conventional devices such as a watch or timer with a heart rate monitor or global positioning system ("GPS") receiver are available, but are expensive to manufacture and typically require purchasing multiple, expensive devices. Other conventional solutions for combining data capture facilities often present numerous design and manufacturing problems such as size specifications, materials requirements, lowered tolerances for defects such as pits or holes in coverings for water-resistant or waterproof devices, unreliability, higher failure rates, increased manufacturing time, and expense. Subsequently, conventional devices such as fitness watches, heart rate monitors, GPS-enabled fitness monitors, health monitors (e.g., diabetic blood sugar testing units), digital voice recorders, pedometers, altimeters, and other conventional data capture devices are generally manufactured for conditions that occur in a single or small groupings of activities and, subsequently, are limited in terms of commercial appeal to consumers.

[0005] Generally, if the number of data inputs accessible by conventional data capture devices increases, there is a corresponding rise in design and manufacturing requirements and device size that results in significant consumer expense and/or decreased consumer appeal, which eventually becomes prohibitive to both investment and commercialization. Still further, conventional manufacturing techniques are often

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limited and ineffective at meeting increased requirements to protect sensitive hardware, circuitry, and other components that are susceptible to damage, but which are required to perform various data capture activities. As a conventional example, sensitive electronic components such as printed circuit board assemblies ("PCBA"), sensors, and computer memory (hereafter "memory") can be significantly damaged or destroyed during manufacturing processes where protective overmoldings or layers of material occurs using techniques such as injection molding, cold molding, and others. Damaged or destroyed items subsequently raises the cost of goods sold and can deter not only investment and commercialization, but also innovation in data capture and analysis technologies, which are highly compelling fields of opportunity.

[0006] Thus, what is needed is a solution for efficiently manufacturing devices without the limitations of conventional techniques.

#### **BRIEF DESCRIPTION OF THE DRAWINGS**

- [0007] Various embodiments or examples ("examples") are disclosed in the following detailed description and the accompanying drawings:
- [0008] FIG. 1 illustrates a cross-sectional view of an exemplary process for providing
- 5 protective material in component protective overmolding;
  - [0009] FIG. 2 illustrates another cross-sectional view of an exemplary process for providing protective material in component protective overmolding;
  - [0010] FIG. 3 illustrates a cross-sectional view of an exemplary process for forming an inner molding in component protective overmolding;
- 10 [0011] FIG. 4 illustrates another cross-sectional view of an exemplary process for forming an outer molding in component protective overmolding;
  - [0012] FIG. 5A illustrates an exemplary design applied during component protective overmolding:
  - [0013] FIG. 5B illustrates another exemplary design applied during component protective overmolding;
- [0014] FIG. 5C illustrates a further exemplary design applied during component
  - [0015] FIG. 6A illustrates an exemplary process for component protective overmolding;
- 20 [0016] FIG. 6B illustrates an alternative exemplary process for component protective overmolding;

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protective overmolding;

- [0017] FIG. 6C illustrates another alternative exemplary process for component protective overmolding;
- [0018] FIG. 6D illustrates yet another alternative exemplary process for component protective overmolding;
- FIG. 7 illustrates a view of an exemplary data-capable strapband configured to receive overmolding;
  - [0020] FIG. 8 illustrates a view of an exemplary data-capable strapband having a first molding; and
- [0021] FIG. 9 illustrates a view of an exemplary data-capable strapband having a second molding.

#### **DETAILED DESCRIPTION**

[0022] Various embodiments or examples may be implemented in numerous ways, including as a system, a process, an apparatus, a user interface, or a series of program instructions on a computer readable medium such as a computer readable storage medium or a computer network where the program instructions are sent over optical, electronic, or wireless communication links. In general, operations of disclosed processes may be performed in an arbitrary order, unless otherwise provided in the claims.

[0023] A detailed description of one or more examples is provided below along with accompanying figures. The detailed description is provided in connection with such examples, but is not limited to any particular example. The scope is limited only by the claims and numerous alternatives, modifications, and equivalents are encompassed. Numerous specific details are set forth in the following description in order to provide a thorough understanding. These details are provided for the purpose of example and the described techniques may be practiced according to the claims without some or all of these specific details. For clarity, technical material that is known in the technical fields related to the examples has not been described in detail to avoid unnecessarily obscuring the description.

[0024] FIG. 1 illustrates a cross-sectional view of an exemplary process for providing protective material in data-capable strapband overmolding. Here, device 100 includes framework 102, elements 104-106, and covering 108. In some examples, framework 102 may be referred to interchangeably as a substrate, wafer, board (printed, unprinted, or otherwise), or other surface upon which elements 104-106 may be mounted, placed, or

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otherwise fixed. The type and configuration of elements may be varied and are not limited to any given type of electrical, electronic, or mechanical component. For example, element 104 may be implemented as a microvibrator or motor configured to provide a vibratory signal for an alarm or other indicator. Element 104 may also be a printed circuit board assembly ("PCBA"), logic, processor, microprocessor, memory (e.g., solid state, RAM, ROM, DRAM, SDRAM, or others), or other computing element and is not limited to any specific type of component. Further, element 104 may be coupled electrically or electronically to element 106, which may also be an electrical, electronic, or mechanical component that can be placed on framework 102. When placed on framework 102, elements 104-106 may be fixed using various techniques, including adhesives, mechanical fixing structures (e.g., posts and holes), or others, without limitation.

[0025] As shown, covering 108 may be placed over element 104 in order to protect the latter from damage resulting from the application of subsequent layers, coverings, moldings, or other protective material, regardless of environmental conditions (e.g., temperature, pressure, thickness, and others). As shown, element 104 is covered by covering 108 and element 106 is uncovered. However, other protective materials may be used to cover element 106. In still other examples, protective materials such as covering 108 may not be used if elements 104 or 106 are manufactured to resist the formation, deposit, layering, or covering of other protective materials at various temperatures, pressures, or other atmospheric conditions. In other examples, device 100 and the above-described elements may be varied and are not limited to those shown and described.

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[0026] FIG. 2 illustrates another cross-sectional view of an exemplary process for providing protective material in data-capable strapband overmolding. Here, device 200 includes framework 102, elements 104-106, covering 108, syringe 202, arrows 204-206, and protective coating 208. In some examples, covering 108 and protective coating 208 may be referred to as "protective material" interchangeably and without limitation. As shown, like numbered elements shown in this drawing and others may refer to the same or a substantially similar element previously described.

In some examples, an applicator (e.g., syringe 202) may be used to selectively apply protective coating 208 to cover as a protective layer over element 106. As used herein, "selectively applying" may refer to the application, placement, positioning, formation, deposition, growth, or the like, of protective material to one, some, all, or none of any underlying elements (e.g., elements 104-106). In some examples, "protective material" may also be used interchangeably with "protective layer," "covering," "housing," or "structure" regardless of the composition of material or matter used, without limitation. In other words, covering 108 and protective coating 208 may each be referred to as "protective material" and used to protect underlying elements (e.g., elements 104-106 (FIG. 1)) as described herein.

[0028] When the plunger of syringe 202 is depressed in the direction of arrow 204, protective coating 208 is forced through applicator tip 210 and applied as a protective layer over element 106. As an example, protective coating 208 may be applied at substantially atmospheric pressure by applying 1-2 psi of pressure to the plunger of syringe 202. When applied, protective coating 208 may be, for example, an ultraviolet

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("UV") curable adhesive or other material. In other words, when protective coating 208 is applied (i.e., layered over element 106) and exposed to ultraviolet radiation (or other curing conditions) at levels similar to those found in natural sunlight or artificial light, it coalesces and hardens into a covering that prevents the underlying element (e.g., element 5 106) from being damaged when other protective materials or layers are applied such as those shown and described below. Exemplary types of protective coating 208 may include coatings, adhesives, gels, liquids, or any other type of material that hardens to protect, prevent, minimize, or otherwise aid in avoiding damage to a protected element. Examples of UV curable coatings include Loctite® coatings produced by Henkel & Co 10 AG of Dusseldorf, Germany such as, for example, Loctite® 5083 curable coating. Other types of curable coatings, in addition to those that are UV curable, may be used to protect underlying elements without limitation or restriction to any given type. [0029] In some examples, protective material such as Loctite® or others may be applied selectively to one, some, or all electrical, electronic, mechanical, or other 15 elements. Protective coating 208 may also be applied in different environmental conditions (e.g., atmospheric pressure, under vacuum, in a molding cavity or chamber, within a deposition chamber, or the like) and is not limited to the examples shown and described. As shown, protective coating 208 has been selectively applied to element 106, but not element 104, the latter of which is being protected by covering 108. As an

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alternative, covering 108 may be used as protective material in the form of an enclosure

or physical structure that is used to protect an underlying element. As described herein,

protective coating 208 may be selectively applied by determining whether sensitive

components, parts, or other elements ("elements") are susceptible to damage or destruction from subsequent processes, for example, to deposit additional protective layers, such as those described in greater detail below. In other examples, device 200 and the above-described elements may be varied in function, structure, configuration,

implementation, or other aspects and are not limited to those provided.

[0030] FIG. 3 illustrates a cross-sectional view of an exemplary process for forming an inner molding in data-capable strapband overmolding. Here, device 300 includes framework 102, elements 104-106, covering 108, syringe 202, arrows 204-206, protective coating 208, mold cavity 302, nozzle 304, arrows 306-310, and inner molding 312. In some examples, framework 102 and elements 104-106 having selectively applied protective coating 208 may be placed in mold cavity 302 where another protective layer or coating (e.g., inner molding 312) may be applied from nozzle 304 in the direction of arrows 306-310. Types of materials that may be used for inner molding 312 include plastics, thermoplastics, thermoplastic elastomers, polymers, elastomers, or any other organic or inorganic material that can molded in mold cavity 302. As shown, mold cavity 302 may be implemented using a variety of molding techniques. For example, an injection molding machine may be used to inject a thermoplastic polymer elastomer ("TPE") into mold cavity 302. When injected under temperature (e.g., 400 to 460 degrees Fahrenheit) and pressure (e.g., 200 to 600 psi, but which may be adjusted to higher or lower pressure, without limitation), inner molding 208 forms a protective layer around framework 102, elements 104-106, covering 108, protective coating 208, providing a layer of additional protective material (e.g., inner molding 312), which may

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completely or incompletely surround an object (e.g., framework 102). In some examples, inner molding 312 may be formed to provide a watertight or hermetic seal around framework 102 and elements 104-106. Types of materials that may be used as inner molding 312 include TPEs such as Versaflex 9545-1 as manufactured by PolyOne

- 5 Corporation of McHenry, Illinois. Other types of materials such as epoxies, polymers, elastomers, thermoplastics, thermoplastic polymers, thermoplastic polymer elastomers, and others may be used to form inner molding 312, without limitation to a specific material. In other examples, device 300 and the above-described elements may be varied in function, structure, configuration, implementation, or other aspects and are not limited to those provided.
  - [0031] FIG. 4 illustrates another cross-sectional view of an exemplary process for forming an outer molding in data-capable strapband overmolding. Here, device 400 includes framework 102, elements 104-106, covering 108, syringe 202, arrows 204-206, protective coating 208, inner molding 312, mold cavity 402, nozzle 404, arrows 406-410, and outer molding 412. In some examples, mold cavity 402 may be the same or different from that described above in connection with FIG. 3. In other words, mold cavity 402 may be the same mold cavity as mold cavity 302, but which is used to injection mold outer molding 412. As shown, framework 102, elements 104-106, protective coating 208, and inner molding 312 are placed in mold cavity 402. Material (e.g., TPE) may be injected through nozzle 404 in the direction of arrows 406-410 into mold cavity 402 in order to form outer molding 412. Once formed, sprue or other extraneous material may be present in inner molding 312 or outer molding 412, which may be removed after

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device 400 is taken out of molding cavity 402. A visual inspection, in some examples, may be performed to determine if defects are present in either inner molding 312 or outer molding 412. If defects are found in outer molding 412, then removal may occur and a new outer molding may be formed using mold cavity 402. The inspection and, if defects are found, the removal of outer molding 412 allows for higher quality moldings to be developed at a lower cost without requiring the discarding of sensitive, expensive electronics. Outer molding 412, in some examples, may also be used to provide surface ornamentation to a given object. The use of thermoplastics or TPE material may be used to form outer molding 412 and to provide material in which a surface texture, design, or pattern may be imprinted, contoured, or otherwise formed. In so doing, various types of patterns, designs, or textures may be formed of various types. For example, miniature "hills" and "valleys" may be formed in the protective material of outer molding 412 in order to produce a "denim" feel or texture to a given object. Examples of different patterns for outer molding 412 may be found in FIGs. 5A-5C, as shown by patterns 502, 512, and 522, respectively. Patterns 502, 512, and 522 are provided for purposes of illustration and are neither limiting nor restrictive with regard to the types, patterns, designs, or textures of surface ornamentation that may be applied to outer molding 412, as described herein. Protective material (e.g., TPE) injected into mold cavity 402 may be used to form these patterns. Various types of injection molding processes and equipment may be used and are not limited to any specific type, make, manufacture, model, or other specification.

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[0032] Referring back to FIG. 4, the use of the described techniques allows for more precise tolerances in forming moldings that are form-fitting to various types of devices. Still further, the use of the above-described techniques also allows for relatively small devices having sensitive electronics to be subjected to harsh environmental conditions during molding processes in order to form protective layers (e.g., inner molding 312, outer molding 412) over various types of devices. As shown and described, the disclosed techniques may be used on a variety of devices, without limitation or restriction. In other examples, device 400 and the above-described elements may be varied in function, structure, configuration, implementation, or other aspects and are not limited to those provided.

[0033] FIG. 6A illustrates an exemplary process for component protective overmolding. Here, the start of process 600 includes forming a protective layer on, for example, framework 102 (FIG. 1) (602). In some examples, a protective layer may refer to protective material, layers, or covers such as protective material 108 (FIG. 2) or structures that are formed to protect underlying elements (e.g., covering 108 (FIG. 1). Examples of material that may be used to form a protective layer include UV curable materials such as those described above, including coatings, adhesives, liquids, gels, and others that cure when exposed to ultraviolet radiation in various concentrations and exposure levels without limitation. After forming a protective layer (e.g., protective coating 208), an inner molding (e.g., inner molding 312 (FIG. 3)) is formed (604). After forming an inner molding, a function test is performed to determine whether the inner molding and protective layer have damaged the underlying item (606). In some

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examples, a function test may be performed as part of an inspection and include applying an electrical current to an underlying electronic element to identify proper voltage or current flow or other parameters that indicate whether damage has occurred during the formation of a protective layer, an inner molding, or, in other examples, an outer 5 molding. Inspections may be performed at various stages of the manufacturing process in order to identify defects early and reduce costs incurred with re-applying protective layers or moldings. In other examples, a function test may be performed to determine whether the inner molding has sufficiently coated desired underlying items (e.g., electrical, electronic, mechanical, or any structure or elements thereof that are being 10 protected from damage using one or more moldings). In still further examples, the function test may be performed to determine whether the formation of an inner molding damaged underlying items that were previously protected by the formation of protective layer, the latter of which may be performed outside of a mold device or cavity (e.g., mold cavity 302 (FIG. 3) or mold cavity 402 (FIG. 4)) at room temperature and/or atmospheric 15 conditions, including atmospheric or ambient temperatures, pressures, and humidity levels, without limitation.

[0034] In some examples, a determination is made as to whether a function test is passed or failed (608). Here, if an item having a protective layer and an inner molding fails to pass, the item is rejected and the process ends (610). Alternatively, if an item (e.g., framework 102 and elements 106-108 (FIG. 1)) fails to pass a function test due to the presence of one or more defects, the inner molding may be removed and re-applied. In other examples, the underlying item may be rejected (i.e., destroyed, recycled, or

otherwise removed from a lot of items that have successfully passed a function test). If a determination is made that a function test has passed as part of an inspection, then an outer molding is formed over the inner molding and protective layer (612).

[0035] In some examples, the protective layer, inner molding, and outer molding may be selectively, partially, or completely applied to a given item. As described here, an outer molding may also be configured to completely enclose or encase an underlying item in order to protect the inner molding, the protective layer, and any elements from damage. Further, outer molding may be used to form patterns, designs, or other surface features or contours for usable, functional, or aesthetic purposes. As shown here, after an outer molding is formed, a final test is performed to determine whether defects are present or the formation of the outer molding met desired parameters (e.g., did the outer molding fully coat an item, were any underlying items damaged, and the like) (614). In some examples, a final test may also be a function test, as described above. In other examples, a final test may also evaluate an item coated with an outer molding for other purposes. If the final test is not passed, then the item may be rejected and, in some examples, the outer molding may be removed and re-applied (i.e., re-formed) (610). In other example, a failed final test may also result in the item being rejected and destroyed. recycled, or otherwise handled as unacceptable. Finally, after a final test is performed a visual inspection may be performed to determine whether an item has been covered by the formed outer molding as desired (618). In other examples, process 600 may be implemented differently in the order, function, configuration, or other aspects described and is not limited to the examples shown and described above.

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[0036] FIG. 6B illustrates an alternative exemplary process for component protective overmolding. Here, process 620 beings be selectively applying protective material (e.g., protective coating 208 (FIG. 2)) to one or more elements (e.g., electrical, electronic, mechanical, structural, or others) (622). In some examples, selectively applying protective material may include manually using an applicator (e.g., syringe 202 (FIG. 2) or any other type of instrument, device, tool, or implement used to apply protective material) to deposit a layer, covering, coating, or the like over a desired element. In other examples, selectively applying may also include the application of protective material to one, some, all, or none of the elements present on a given item. In other words, selectively applying protective material may be performed uniformly or non-uniformly without limitation. Types of protective materials may include curable or non-curable materials such as those described above, including UV-curable coatings that, when exposed to ultraviolet radiation, cure. In other examples, other types of coatings may be used that, when exposed to artificial or man-made conditions, cure. Still further, other types of coatings may be used to form a protective layer (i.e., protective material) over sensitive elements that may require the combination of two or more materials, chemicals, or compounds, such as epoxies, polymers, elastomers, and the like, without limitation. [0037] Here, after selectively applying protective material an inner molding is formed over a framework, associated elements (i.e., elements coupled to the framework), and the previously, selectively-applied protective material (624). As an example of a framework, a "strapband" or, as used herein, "band" may refer to a wearable device that is configured for various data capture, analysis, communication, and other purposes. In some

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examples, a band may refer to a wearable personal data capture device that, when worn, may be used to record and store various types of data associated with a given person's motion, behavior, and physical characteristics (e.g., body temperature, salinity, blood sugar, heart rate, respiration rate, movement, and many others, without limitation). In other examples, a band may be implemented using hardware, software, and firmware, where application-specific programs may be downloaded onto a memory that is included as an element and protected using the described overmolding processes. A band may be implemented as described below in connection with FIGs. 7-9.

[0038] Referring back to FIG. 6B, an outer molding is formed over the inner molding, the framework, its elements, and the protective material (626). After the outer molding is formed, an inspection of the outer molding is performed to determine whether a defect is present (628). As used herein, an inspection may refer to any type of process (e.g., automatic, semi-automatic, manual, robotic, visual, structural, radiological, electrical, or others) that is used to determine whether a defect is present. In some examples, an inspection may include one or more function (i.e., functional) tests to determine whether a coated (i.e., item receiving protective material and protective layers or coatings) has been damaged during the layering process. If a defect (e.g., a damaged item or defective molding) is found, then the outer molding is removed (632) and formed again over the inner molding, framework, elements, and protective material (626). If no defect is found, then the process ends. Examples of materials that may be used for moldings (e.g., inner molding, outer molding) in process 620 include plastics, thermoplastics, thermoplastic elastomers, polymers, thermoplastic polymer elastomers,

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epoxies, alloys, metals, or any other type of organic or synthetic material, without limitation. In other examples, process 620 may be implemented differently in the order, function, configuration, or other aspects provided and is not limited to the examples shown and described above.

5 [0039] FIG. 6C illustrates another alternative exemplary process for component protective overmolding. Here, an alternative 2-stage process 640 for component protective overmolding may be performed. First, selective application of a securing coating over components placed on, for example, a framework, may be performed (642). As used herein, a securing coating may refer to any type of protective material, layer, 10 cover, structure, liquid, gel, solid, or the like that is placed substantially (i.e., partially or entirely) over an item in order to prevent damage from later stages of a manufacturing process (e.g., introduction into mold cavity 302 (FIG. 3) or mold cavity 402 (FIG. 4) in which rigorous temperatures, pressures, or other environmental conditions are created in order to apply other coated materials. Further, due to the size and relatively sensitive 15 operating, manufacturing, and performance characteristics of various electrical, electronic, mechanical, or structural features (e.g., microprocessors, solid state computer memories, control logic and circuitry, microvibrators, motors, motor controllers, batteries, battery modules, battery controllers, and the like), the addition of protective material can prevent inadvertent damage and increased costs occurring during the 20 manufacturing of finished products. As an example, consumer electronics devices receiving both aesthetic and functional protective overmoldings (i.e., moldings) can be expensive to manufacture because, for each damage underlying electronic component, an entire unit must be discarded. However, by using the described techniques to protect sensitive and expensive elements by replacing moldings as opposed to entire partially-finished items, manufacturing costs can be significantly reduced, thus increasing profit margins and incentives for individuals and enterprises to commercially invest in manufacturing devices that can advantageously capture, analyze, use, communicate (via wired or wireless data communication facilities (e.g., network interface cards (NICs), wireless radios using various types of wireless data communication protocols for short, medium, and long-range communication (e.g., Bluetooth<sup>TM</sup>, ZigBee, ANT<sup>TM</sup>, WiFi, WiMax, and others), and the like), or otherwise use valuable and abundant personal data.

10 As an example of these types of devices, a strapband or band may be a wearable device that is configured to capture data such as that described above. Sensitive elements of various sizes and shapes may be protected from damage occurring during later stages of protective overmolding (i.e., application of protective layers, covers, molds, or the like)

15 [0040] Here, after applying a securing coating, another molding may be formed over the securing coating, band, and components (e.g., elements) (644). As described here and above, the application of one or more moldings may be performed to both secure and protect underlying items (e.g., components or elements) of a finished product for various conditions such as use, weather, shock, temperature, or other environmental conditions to which finished products (e.g., band) may be subjected. In other examples, more, fewer, or different steps may be implemented as part of process 620 including, for example, a single-stage process involving the application of one or more protective layers (e.g.,

using the described techniques.

housings, coverings, securing coatings, coatings, moldings, or the like). The functions, operations, or processes performed during a single or multi-stage or step process may be varied, without limitation, to include more, fewer, or different types of sub-processes apart from those shown and described. Alternatively, more steps in process 620 may be implemented are not limited to any of the examples shown and described. In still other examples, process 620 may be implemented differently in the order, function, configuration, or other aspects provided and is not limited to the examples shown and described above.

FIG. 6D illustrates yet another alternative exemplary process for component protective overmolding. Here, process 650 begins by placing one or more elements on a framework (652). In some examples, the one or more elements may be placed on a part of a framework (not shown) or other support structure configured to provide a substrate or base support. Once placed, the elements are coated using a curable material (654). As an example of a curable material, Loctite® 5083 UV curable coating may be layered (i.e., deposited, poured, injected, layered, or otherwise covered) over the elements and the framework. The curable material may be comprehensively, universally, uniformly, semi-uniformly, irregularly, or selectively placed so that some elements are covered while others are left uncovered. Reasons for selectively applying the curable coating may include other elements being protected from damage during the molding process using physical structures (e.g., covering 108) and yet others being manufactured to withstand the environmental conditions (e.g., temperature ranges between 400 and 460 degrees

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Fahrenheit and injection nozzle pressures of 200 to 600 pounds per square inch (psi)) of molding cavity 302 (FIG. 3) or 402 (FIG. 4) without using protective material. [0042] After securing elements to a framework using curable material (e.g., UV curable coating, which may also be replaced with other types of curable coating, without limitation or restriction to any specific type), an inspection may be performed to determine whether there are any defects, gaps, openings, or other susceptibilities that can be anticipated before applying the first or inner molding (656). After performing an inspection on the curable coating, one or more moldings may be formed over the curable material (i.e., coating), framework, and elements (658) after which an inspection may be 10 performed to determine whether there are defects in the molding(s) (660). During the inspection, a determination is made as to whether a defect has been found in one or more moldings (662). If a defect is found, the defective molding is removed (664) and another molding may be reformed over the curable material, framework, and elements (666). By enabling a defective molding to be replaced without requiring the discard of a framework 15 and its associated elements (e.g., electrical and electronic components such as microprocessors, processors, data storage and computer memory, sensors (e.g., accelerometers, motion/audio/light sensors, velocimeters, pedometers, altimeters, heart rate monitors, barometers, chemical/protein detectors, and others, without limitation), mechanical and structural features or functionality), substantial costs can be saved thus 20 enabling devices to be produced at lower costs to consumers and business alike. In other examples, process 650 may be implemented differently in the order, function,

configuration, or other aspects provided and is not limited to the examples shown and described above.

[0043] FIG. 7 illustrates a side view of an exemplary data-capable strapband configured to receive overmolding. Here, band 700 includes framework 702, covering 704, flexible circuit 706, covering 708, motor 710, coverings 714-724, analog audio plug 726, accessory 728, control housing 734, control 736, and flexible circuit 738. In some examples, band 700 is shown with various elements (i.e., covering 704, flexible circuit 706, covering 708, motor 710, coverings 714-724, analog audio plug 726, accessory 728, control housing 734, control 736, and flexible circuit 738) coupled to framework 702. Coverings 708, 714-724 and control housing 734 may be configured to protect various types of elements, which may be electrical, electronic, mechanical, structural, or of another type, without limitation. For example, covering 708 may be used to protect a battery and power management module from protective material formed around band 700 during an injection molding operation. As another example, housing 704 may be used to protect a printed circuit board assembly ("PCBA") from similar damage. Further, control housing 734 may be used to protect various types of user interfaces (e.g., switches, buttons, lights, light-emitting diodes, or other control features and functionality) from damage. In other examples, the elements shown may be varied in quantity, type,

capture, communication, analysis, usage, and other capabilities to band 700, which may be worn by a user around a wrist, arm, leg, ankle, neck or other protrusion or aperture, without restriction. Band 700, in some examples, illustrates an initial unlayered device

manufacturer, specification, function, structure, or other aspects in order to provide data

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that may be protected using the techniques for protective overmolding as described above.

[0044] FIG. 8 illustrates a view of an exemplary data-capable strapband having a first molding. Here, band 800 includes molding 802, analog audio plug (hereafter "plug") 5 804, plug housing 806, button 808, framework 810, control housing 812, and indicator light 814. In some examples, a first protective overmolding (i.e., molding 802) has been applied over band 700 (FIG. 7) and the above-described elements (e.g., covering 704, flexible circuit 706, covering 708, motor 710, coverings 714-724, analog audio plug 726, accessory 728, control housing 734, control 736, and flexible circuit 738) leaving some 10 elements partially exposed (e.g., plug 804, plug housing 806, button 808, framework 810, control housing 812, and indicator light 814). However, internal PCBAs, flexible connectors, circuitry, and other sensitive elements have been protectively covered with a first or inner molding that can be configured to further protect band 800 from subsequent moldings formed over band 800 using the above-described techniques. In other 15 examples, the type, configuration, location, shape, design, layout, or other aspects of band 800 may be varied and are not limited to those shown and described. For example, plug 804 may be removed if a wireless communication facility is instead attached to framework 810, thus having a transceiver, logic, and antenna instead being protected by molding 802. As another example, button 808 may be removed and replaced by another 20 control mechanism (e.g., an accelerometer that provides motion data to a processor that, using firmware and/or an application, can identify and resolve different types of motion that band 800 is undergoing), thus enabling molding 802 to be extended more fully, if not completely, over band 800. In yet other examples, molding 802 may be shaped or formed differently and is not intended to be limited to the specific examples shown and described for purposes of illustration.

[0045] FIG. 9 illustrates a view of an exemplary data-capable strapband having a second molding. Here, band 900 includes molding 902, plug 904, and button 906. As shown another overmolding or protective material has been formed by injection molding, for example, molding 902 over band 900. As another molding or covering layer, molding 902 may also be configured to receive surface designs, raised textures, or patterns, which may be used to add to the commercial appeal of band 900. In some examples, band 900 may be illustrative of a finished data capable strapband (i.e., band 700 (FIG. 7), 800 (FIG. 8) or 900) that may be configured to provide a wide range of electrical, electronic, mechanical, structural, photonic, or other capabilities.

[0046] Here, band 900 may be configured to perform data communication with one or more other data-capable devices (e.g., other bands, computers, networked computers, clients, servers, peers, and the like) using wired or wireless features. For example, a TRRS-type analog audio plug may be used (e.g., plug 904), in connection with firmware and software that allow for the transmission of audio tones to send or receive encoded data, which may be performed using a variety of encoded waveforms and protocols, without limitation. In other examples, plug 904 may be removed and instead replaced with a wireless communication facility that is protected by molding 902. If using a wireless communication facility and protocol, band 900 may communicate with other data-capable devices such as cell phones, smart phones, computers (e.g., desktop, laptop,

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notebook, tablet, and the like), computing networks and clouds, and other types of datacapable devices, without limitation. In still other examples, band 900 and the elements described above in connection with FIGs. 1-9, may be varied in type, configuration, function, structure, or other aspects, without limitation to any of the examples shown and described.

[0047] Although the foregoing examples have been described in some detail for purposes of clarity of understanding, the above-described inventive techniques are not limited to the details provided. There are many alternative ways of implementing the above-described invention techniques. The disclosed examples are illustrative and not restrictive.

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What is claimed:

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## 1. A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework;

molding a first protective layer over the framework the one or more elements, and the protective material, after the protective material has been selectively applied, the first protective layer being configured to cover the framework and each of the one or more elements; and

- molding a second protective layer over the first protective layer, the first protective layer being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern, the second protective layer being removable if a defect is yielded during an inspection.
- 15 2. The method of claim 1, further comprising performing an inspection after molding the first protective layer and before molding the second protective layer.
  - 3. The method of claim 1, further comprising performing an inspection after molding the second protective layer.

- 4. The method of claim 1, wherein the second protective layer is removed if an inspection after molding the second protective layer yields a defect in the second protective layer.
- 5 5. The method of claim 1, wherein the protective material comprises an ultra violet curable material.
  - 6. The method of claim 1, wherein the first protective layer comprises a thermoplastic.
- 10 7. The method of claim 1, wherein the first protective layer comprises a polymer.
  - 8. The method of claim 1, wherein the first protective layer comprises an elastomer.
- 9. The method of claim 1, wherein the first protective layer comprises a thermoplastic15 elastomer.

#### 10. A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework;

forming a first protective layer substantially over the framework, the one or

more elements, and the protective material, after the protective material has been
selectively applied; and

forming a second protective layer substantially over the first protective layer, the first protective layer being configured to protect the framework and to provide a cosmetic surface, the second protective layer being removable if a defect is yielded during an inspection.

- 11. The method of claim 10, wherein the protective material comprises a metal housing configured to cover at least one of the one or more elements.
- 15 12. The method of claim 10, wherein the protective material comprises an epoxy.
  - 13. The method of claim 10, wherein the protective material comprises an ultra violet curable material configured to prevent damage to the one or more elements when the first protective layer or the second protective layer are formed.

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14. The method of claim 10, wherein the one or more elements comprises a structure configured to use electrical power from a battery to generate a vibration.

- 15. The method of claim 10, wherein the one or more elements comprises a printed circuit board assembly.
- 5 16. The method of claim 10, wherein the one or more elements comprises a memory configured to store data.
  - 17. The method of claim 10, wherein the one or more elements comprises a processor.
- 10 18. A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework; and

forming a molding substantially over the framework, the one or more elements coupled to the framework, and the protective material, an outer surface of the molding being configured to receive a cosmetic design.

19. A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework;

forming an inner molding substantially over the framework, the one or more elements coupled to the framework, and the protective material, the inner molding being formed after the protective material has been selectively applied; and

forming an outer molding substantially over the inner molding, the outer molding being configured to protect the framework and to provide a surface configured to receive a pattern, the outer molding being removable if a defect is found during an inspection performed after the outer molding is formed.

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- 20. The method of claim 19, wherein the framework comprises a metal.
- 21. The method of claim 19, wherein the framework comprises an alloy.
- 10 22. The method of claim 19, wherein at least one of the one or more elements is an accelerometer.
  - 23. The method of claim 19, wherein at least one of the one or more elements is an analog audio plug.

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- 24. The method of claim 22, wherein the analog audio plug is a TRRS.
- 25. The method of claim 19, further comprising forming another outer molding if the defect is found in the outer molding, the another outer molding being formed after the outer molding is removed.

- 26. The method of claim 19, wherein the outer molding is configured to be impermeable.
- 27. The method of claim 19, wherein the second protective material is configured to
- 5 receive a pattern formed on an outer surface of the second protective material.

# **COMPONENT PROTECTIVE OVERMOLDING**

#### **ABSTRACT**

Techniques for component protective overmolding include selectively applying a protective material substantially over one or more elements coupled to a framework, forming an inner molding substantially over the framework, the one or more electrical elements coupled to the framework, and the protective material. In some examples, the inner molding is formed after the protective material has been selectively applied, forming an outer molding substantially over the inner molding and the outer molding is configured to protect the framework and to provide a surface configured to receive a pattern. Further, the outer molding may be configured to be removable if a defect is found during an inspection performed after the outer molding is formed.

# **SCORE Placeholder Sheet for IFW Content**

Application Number: 13158416 Document Date: 6/11/2011

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

• Drawings – Other than Black and White Line Drawings

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Form Revision Date: February 8, 2006



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FIRST NAMED APPLICANT
Richard Drysdale

ALI-001

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CONFL

CONFIRMATION NO. 9386 FORMALITIES LETTER

\*000000048356156\*

Date Mailed: 06/23/2011

15516 Kokka & Backus, PC 703 Hight Street Palo Alto, CA 94301

#### NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

#### FILED UNDER 37 CFR 1.53(b)

#### Filing Date Granted

#### **Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
- Applicant must submit \$330 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.
- A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
- Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$584 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- A surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of \$130 for a non-small entity, must be submitted.

#### **SUMMARY OF FEES DUE:**

Total fee(s) required within TWO MONTHS from the date of this Notice is \$1804 for a non-small entity

- \$330 Statutory basic filing fee.
- \$130 Surcharge.
- The application search fee has not been paid. Applicant must submit \$540 to complete the search fee.

page 1 of 2

- The application examination fee has not been paid. Applicant must submit \$220 to complete the examination fee for a non-small entity.
- Total additional claim fee(s) for this application is \$584
  - \$220 for 1 independent claims over 3.
  - \$364 for 7 total claims over 20.

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**FILING RECEIPT** 

 
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 13/158,416
 06/11/2011
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**CONFIRMATION NO. 9386** 

15516 Kokka & Backus, PC 703 Hight Street Palo Alto, CA 94301

Date Mailed: 06/23/2011

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)

Richard Drysdale, Sunnyvale, CA; Scott Fullam, Palo Alto, CA; Skip Orvis, Sunnyvale, CA; Nora Levinson, Sunnyvale, CA;

#### **Assignment For Published Patent Application**

AliphCom, Sunnyvale, CA

Power of Attorney: None

#### Domestic Priority data as claimed by applicant

This application is a CIP of 13/158,372 06/10/2011

**Foreign Applications** (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <a href="http://www.uspto.gov">http://www.uspto.gov</a> for more information.)

If Required, Foreign Filing License Granted: 06/22/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/158,416** 

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes
Early Publication Request: No

page 1 of 3

#### Title

COMPONENT PROTECTIVE OVERMOLDING

#### **Preliminary Class**

052

#### 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.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

# LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

#### **GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

page 2 of 3

set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

#### **NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

	PATE	NT APPLI		N FEE DE		TON RECOR	D		tion or Docket Num 8,416	ber
	APPL	ICATION AS			umn 2)	SMALL	. ENTITY	OR	OTHER SMALL	
	FOR NUMBER FILED NUMBER EXTRA RATE(\$) FEE(\$)			1	RATE(\$)	FEE(\$)				
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SEA	RCH FEE FR 1.16(k), (i), or (m))	N	/A	١	I/A	N/A		1	N/A	540
	MINATION FEE FR 1.16(o), (p), or (q))	N	/A	N	I/A	N/A		1	N/A	220
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Serial No.: 13/158,416 Attorney Docket No.: ALI-001CIP1

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application for:

Confirmation No.: 9386

Drysdale et al.

Examiner: Unknown

Serial No.: 13/158,416

Group Art Unit: 3633

Filing Date: June 11, 2011

Atty. Docket No.; ALI-001CIP1

For: COMPONENT PROTECTIVE

Transmission Date: September 9, 2011

**OVERMOLDING** 

Certificate of Transmission I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office via EFS-Web filing on September 9, 2011.

# RESPONSE TO NOTICE TO FILE MISSING PARTS

Mail Stop Missing Parts Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

In Response to the Notice to File Missing Parts, mailed June 23, 2011, Applicant hereby provides the missing Declaration for Richard Lee Drysdale, Scott Fullam, Skip Thomas Orvis, and Nora Elam Levinson, as well as the requisite surcharge of \$130 for submission of this paper. Applicant also submits the required application filing, search, examination, and claims fees of \$1,804, including \$130 for a onemonth extension of time. A copy of the Notice to File Missing Parts of a Non-Provisional Application is also submitted herewith.

Please contact the undersigned representative below if you should have any further questions or require any additional information.

Respectfully submitted,

Scott S, Kokka Reg. No. 51,893

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301

Telephone: (650) 566-9921 Facsimile: (650) 566-9922



15516

#### 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 Alexandra, Virginia 22313-1450 www.uspio.gov

APPLICATION NUMBER

Kokka & Backus, PC

703 Hight Street Palo Alto, CA 94301 FILING OR 371(C) DATE

FIRST NAMED APPLICANT

ATTY, DOCKET NO./TITLE

13/158,416

06/11/2011

Richard Drysdale

ALI-001 CONFIRMATION NO. 9386

FORMALITIES LETTER

\*000000048356756\*

Date Mailed: 06/23/2011

#### NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

#### Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.

  Applicant must submit \$330 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).
- The oath or declaration is missing.

A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.

Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$584 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- A surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of \$130 for a non-small entity, must be submitted.

#### SUMMARY OF FEES DUE:

Total fee(s) required within TWO MONTHS from the date of this Notice is \$1804 for a non-small entity

- •\$330 Statutory basic filing fee.
- ·\$130 Surcharge.
- The application search fee has not been paid. Applicant must submit \$540 to complete the search fee.

page 1 of 2

- The application examination fee has not been paid. Applicant must submit \$220 to complete the examination fee for a non-small entity.
- Total additional claim fee(s) for this application is \$584
  - \$220 for 1 independent claims over 3.
  - \$364 for 7 total claims over 20.

Replies should be mailed to:

Mail Stop Missing Parts Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. <a href="https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html">https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html</a>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <a href="http://www.uspto.gov/ebc.">http://www.uspto.gov/ebc.</a>

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

	/ygizaw/							
Office of Data M	lanagement, Appl	lication Assistan	ce Unit (571) 2	272-4000, oi	(571) 272-4	4200, or 1-	-888-786-0 <i>°</i>	101

#### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor,

I hereby declare that my residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **COMPONENT PROTECTIVE**OVERMOLDING, the specification of which

(Check One)		is attached hereto OR
	$\boxtimes$	was filed on June 11, 2011 and assigned Application Serial No.
		<u>13/158,416</u> .

I hereby state that I have reviewed and understand the contents of the aboveidentified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign applications for patent or inventor's certificate, listed below and so identified, and I have also identified below any foreign application for patent or inventor's certificate on this invention filed by my or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed.

Number	Country	Day/Month/Year Filed	Priority Claimed - Yes or No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No.	Filing Date	Status
13/158,372	June 10, 2011	Pending

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) below and, insofar as the subject matter of each of the

claims of this application is not disclosed in the prior United States provisional application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior provisional application and the filing date of this application.

Provisional Application No.	Filing Date	Status

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 Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint all attorneys associated with

## **Customer Number 15516**

with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith; and

request that all correspondence and telephone calls with respect to this application be directed to

Customer Number 15516

Scott S. Kokka

Kokka & Backus, PC 703 High Street Palo Alto, CA 94301 Telephone No. (650) 566-9921 Facsimile No. (650 566-9922

FULL N.	AME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVI	ENTOR	RICHARD	LEE	DRYSDALE	
RESIDEI	VCE &	City	State or Foreign Country	Country of Citizer	nship
CITIZEN	ISHIP	Santa Cruz	CA	USA	
POST O	FFICE	005 T.1. J.D.:	City	State or Country	Zip Code
ADDRES	SS	235 Isbel Drive	Santa Cruz	CA	95060
INVENTOR	'S SIGNA	ATURE AL	Vyrdele	DATE 8/29/	12011

FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SCOTT		FULLAM	
RESIDENCE &	City	State or Foreign Country	Country of Citizer	nship
CITIZENSHIP	Palo Alto	CA	USA	
POST OFFICE	2000 6 1 1 15	City	State or Country	Zip Code
ADDRESS	3982 Sutherland Dr.	Palo Alto	CA	94303
INVENTOR'S SIGN.	ATURE		DATE	
FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
FULL NAME OF INVENTOR	FIRST Name SKIP	MIDDLE Initial THOMAS	LAST Name ORVIS	
FULL NAME OF INVENTOR RESIDENCE &	FIRST Name SKIP City	MIDDLE Initial THOMAS State or Foreign Country	LAST Name ORVIS Country of Citizer	

FULL NAME OF INVENTOR	FIRST Name NORA	MIDDLE Initial ELAM	LAST Name LEVINSON	
RESIDENCE & CITIZENSHIP	City Washington	State or Foreign Country DC	Country of Citizer USA	nship
POST OFFICE ADDRESS	3731 Fessenden St. NW	City Washington	State or Country DC	Zip Code 20016
INVENTOR'S SIGNA	TURE		DATE	

INVENTOR'S SIGNATURE \_\_\_\_\_ DATE \_\_\_\_

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor,

I hereby declare that my residence, post office address and citizenship are as stated below next to my name.

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Provisional Application No.	Status

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FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	RICHARD	LEE	DRYSDALE	
RESIDENCE &	City	State or Foreign Country	Country of Citizer	ship
CITIZENSHIP	Santa Cruz	CA	USA	
POST OFFICE	235 Isbel Drive	City	State or Country	Zip Code
ADDRESS		Santa Cruz	CA	95060

FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SCOTT		FULLAM	
RESIDENCE &	City	State or Foreign Country	Country of Citizen	ship
CITIZENSHIP	Palo Alto	CA	USA	
POST OFFICE	3982 Sutherland Dr.	City	State or Country	Zip Cod
ADDRESS	3962 Sutherland Dr.	Palo Alto	CA	94303
NVENTOR'S SIGNA	ATURE FLOT FOR		DATE 3/2/1	(
FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SKIP	THOMAS	ORVIS	
RESIDENCE &	City	State or Foreign Country	Country of Citizer	ship
CITIZENSHIP	San Jose	CA	USA	
POST OFFICE	6287 Shadelands Dr.	City	State or Country	Zip Coo
ADDRESS	6287 Shadelands Dr.	San Jose	CA	95123
NIVENITADIE SIANI	TURE		DATE	
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	FIRST Name	MIDDLE Initial	LAST Name	
FULL NAME OF INVENTOR			LAST Name LEVINSON	The second secon
FULL NAME	FIRST Name	MIDDLE Initial		
FULL NAME OF INVENTOR	FIRST Name NORA	MIDDLE Initial ELAM	LEVINSON	
FULL NAME OF INVENTOR RESIDENCE &	FIRST Name NORA City	MIDDLE Initial ELAM State or Foreign Country	LEVINSON  Country of Citizer	

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	ADDRESS	230 ISDEI Drive	Santa Cruz	CA	95060
IN	VENTOR'S SIGNA	TURE		DATE	

FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SCOTT		FULLAM	
<b>RESIDENCE &amp;</b>	City	State or Foreign Country	Country of Citizen	ship
CITIZENSHIP	Palo Alto	CA	USA	
POST OFFICE	20020 1 1 17	City	State or Country	Zip Code
ADDRESS	3982 Sutherland Dr.	Palo Alto	CA	94303
T. T. T. T. T. C. D. C. C. C. T. A.	. COLUMN TO THE		TO A CENTER	
INVENTOR'S SIGNA	ATURE	and the second s	DATE	<del></del>
				anna harra de aprila de contra como como de estada en estada en estada en estada en estada en estada en estada
FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SKIP	THOMAS	ORVIS	
RESIDENCE &	City	State or Foreign Country	Country of Citizen	ship
CITIZENSHIP	San Jose	CĄ	USA	
POST OFFICE	(000001 1 1 1 7	City	State or Country	Zip Code
	6287 Shadelands Dr.	San Jose	CA	95123
ADDRESS		1		J
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ADDRESS  INVENTOR'S SIGNA	ATURE		DATE 8/13	///
t	ATURE #		DATE 8/13	///
INVENTOR'S SIGNA				///
INVENTOR'S SIGNA	FIRST Name	MIDDLE Initial	LAST Name	///
INVENTOR'S SIGNA  FULL NAME OF INVENTOR	FIRST Name NORA	MIDDLE Initial ELAM	LAST Name LEVINSON	
FULL NAME OF INVENTOR RESIDENCE &	FIRST Name NORA City	MIDDLE Initial ELAM State or Foreign Country	LAST Name LEVINSON Country of Citizer	
FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP	FIRST Name NORA	MIDDLE Initial ELAM State or Foreign Country DC	LAST Name LEVINSON Country of Citizer USA	ship
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FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP	FIRST Name NORA City Washington	MIDDLE Initial ELAM State or Foreign Country DC	LAST Name LEVINSON Country of Citizer USA	ship
FULL NAME OF INVENTOR RESIDENCE & CITIZENSHIP POST OFFICE ADDRESS	FIRST Name NORA City Washington	MIDDLE Initial ELAM State or Foreign Country DC City Washington	LAST Name LEVINSON Country of Citizer USA State or Country	zip Code

# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventor.

13/158,416,

I hereby declare that my residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed) or an original and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **COMPONENT PROTECTIVE OVERMOLDING**, the specification of which

(Check One)		is attached hereto OR
	$\boxtimes$	was filed on June 11, 2011 and assigned Application Serial No

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign applications for patent or inventor's certificate, listed below and so identified, and I have also identified below any foreign application for patent or inventor's certificate on this invention filed by my or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed.

Number	Country	Day/Month/Year Filed	Priority Claimed - Yes or No
* , *			

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

Application Serial No.	Filing Date	Status
13/158,372	June 10, 2011	Pending

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) below and, insofar as the subject matter of each of the

Attorney Docket No.: ALI-001CIP1

claims of this application is not disclosed in the prior United States provisional application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior provisional application and the filing date of this application.

Provisional Application No.	Filing Date	Status

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 Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint all attorneys associated with

# **Customer Number 15516**

with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith; and

request that all correspondence and telephone calls with respect to this application be directed to

Customer Number 15516

Scott S. Kokka

Kokka & Backus, PC 703 High Street Palo Alto, CA 94301 Telephone No. (650) 566-9921 Facsimile No. (650 566-9922

FULL NAME	FIRST Name	MIDDLE Initial	LAST Name		
OF INVENTOR	RICHARD	LEE	DRYSDALE		
RESIDENCE & CITIZENSHIP	City Santa Cruz	State or Foreign Country CA	Country of Citizer USA	nship	
POST OFFICE	235 Isbel Drive	City	State or Country	Zip Code	
ADDRESS		Santa Cruz	CA	95060	
INVENTOR'S SIGNA	INVENTOR'S SIGNATURE				

Attorney Docket No.: ALI-001CIP1

FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SCOTT		FULLAM	
RESIDENCE &	City	State or Foreign Country	Country of Citizer	nship
CITIZENSHIP	Palo Alto	CA	USA	
POST OFFICE	00000 0 11 1 110	City	State or Country	Zip Cod
ADDRESS	3982 Sutherland Dr.	Palo Alto	CA	94303
TYPEN IMPORTOR OF CIVIL	(11		TO A PETE	
NVENTOR'S SIGNA	TURE		DATE	
FULL NAME	FIRST Name	MIDDLE Initial	LAST Name	
OF INVENTOR	SKIP	THOMAS	ORVIS	
RESIDENCE &	City	State or Foreign Country	Country of Citizenship	
CITIZENSHIP	San Jose	CA	USA	
POST OFFICE	6287 Shadelands Dr.	City	State or Country	Zip Coo
	6287 Shadelands Dr.	San Jose	CA	95123
ADDRESS	<u> </u>	<u> </u>		ــــــــــــــــــــــــــــــــــــــ
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NVENTOR'S SIGNA FULL NAME OF INVENTOR	FİRST Name NORA	MIDDLE Initial ELAM	LAST Name LEVINSON	-
FULL NAME OF INVENTOR RESIDENCE &	FİRST Name NORA City	MIDDLE Initial ELAM State or Foreign Country	LAST Name LEVINSON Country of Citizer	-

Electronic Patent	App	olication Fee	e Transmi	ttal	
Application Number:	13	158416			
Filing Date:	11-	-Jun-2011			
Title of Invention:	co	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Drysdale				
Filer:	Sco	Scott Susumu Kokka/Kate Cleland			
Attorney Docket Number:	ALI-001CIP1				
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	330	330
Utility Search Fee		1111	1	540	540
Utility Examination Fee		1311	1	220	220
Pages:					
Claims:					
Claims in excess of 20		1202	7	52	364
Independent claims in excess of 3		1201	1	220	220
Miscellaneous-Filing:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Late filing fee for oath or declaration	1051	1	130	130
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Extension - 1 month with \$0 paid	1251	1	130	130
Miscellaneous:				
	Tot	(\$)	1934	

Electronic Ack	knowledgement Receipt
EFS ID:	10918437
Application Number:	13158416
International Application Number:	
Confirmation Number:	9386
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING
First Named Inventor/Applicant Name:	Richard Drysdale
Customer Number:	15516
Filer:	Scott Susumu Kokka
Filer Authorized By:	
Attorney Docket Number:	ALI-001CIP1
Receipt Date:	09-SEP-2011
Filing Date:	11-JUN-2011
Time Stamp:	20:14:30
Application Type:	Utility under 35 USC 111(a)

# **Payment information:**

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$1934
RAM confirmation Number	6682
Deposit Account	
Authorized User	

# File Listing:

Document	Document Description	File Name	File Size(Bytes)/	Multi	Pages	l
Number	Document Description	riie Name	Message Digest	Part /.zip	(if appl.)	l

1		ALI-001CIP1_Response_to_NO	2102585	yes	15
'			6db167d9b4356d1795f1eae60343680c9a4 d4039	yes	15
	Multip	art Description/PDF files in .	zip description		
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Warnings:					
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2	Fee Worksheet (SB06)	fee-info.pdf	41559	no	2
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Information:					
		Total Files Size (in bytes)	214	44144	

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.

#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

## New International Application Filed with the USPTO as a Receiving Office

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.

PATE	NT APPLI		Itute for Form		ION RECORI		Applica 13/15	tion or Docket Num 8,416	ber
APPLIC	CATION AS			umn 2)	SMALL	ENTITY	OR	OTHER SMALL	
FOR	NUMBE	R FILE	NUMBE	NUMBER EXTRA RATE(\$) FEE(\$)			]	RATE(\$)	FEE(\$)
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FEE 3(k), (i), or (m))	N	/A	N	I/A	N/A		1	N/A	540
TION FEE 3(o), (p), or (q))	N	/A	N	I/A	N/A		1	N/A	220
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e entry in colun		ın 1 is less tha ber Previousl	in 1 is less than the en ber Previously Paid Fo	in 1 is less than the entry in column 2, where the proviously Paid For IN THIS SPACE.	ber Previously Paid For" IN THIS SPACE is less than 2	TOTAL ADD'L FEE In 1 is less than the entry in column 2, write "0" in column 3. ber Previously Paid For" IN THIS SPACE is less than 20, enter "20".	TOTAL ADD'L FEE In 1 is less than the entry in column 2, write "0" in column 3. ber Previously Paid For" IN THIS SPACE is less than 20, enter "20".	N OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))  TOTAL ADD'L FEE In 1 is less than the entry in column 2, write "0" in column 3. ber Previously Paid For" IN THIS SPACE is less than 20, enter "20".	N OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))  TOTAL ADD'L FEE  In 1 is less than the entry in column 2, write "0" in column 3.



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Dox 1450

Alexandria, Virginia 22313-1450 www.uspto.gov

 
 APPLICATION NUMBER
 FILING or 371(c) DATE
 GRP ART UNIT
 FIL FEE REC'D
 ATTY.DOCKET.NO
 TOT CLAIMS IND CLAIMS

 13/158,416
 06/11/2011
 3633
 1804
 ALI-001CIP1
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15516 Kokka & Backus, PC 703 Hight Street Palo Alto, CA 94301 CONFIRMATION NO. 9386 UPDATED FILING RECEIPT



Date Mailed: 09/16/2011

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)

Richard Lee Drysdale, Santa Cruz, CA; Scott Fullam, Palo Alto, CA; Skip Thomas Orvis, San Jose, CA;

Nora Elam Levinson, Washington, DC;

#### **Assignment For Published Patent Application**

AliphCom, Sunnyvale, CA

Power of Attorney: The patent practitioners associated with Customer Number 15516

# Domestic Priority data as claimed by applicant

This application is a CIP of 13/158,372 06/10/2011

**Foreign Applications** (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <a href="http://www.uspto.gov">http://www.uspto.gov</a> for more information.)

If Required, Foreign Filing License Granted: 06/22/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/158,416** 

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes
Early Publication Request: No

page 1 of 3

## Title

COMPONENT PROTECTIVE OVERMOLDING

#### **Preliminary Class**

052

#### 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.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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page 2 of 3

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMS control number. Complete if Known Substitute for form 1449/PTO Application Number 13/158,416 Filing Date 6-11-2011 INFORMATION DISCLOSURE First Named Inventor Richard Lee Drysdale STATEMENT BY APPLICANT Art Unit 1742 (Use as many sheets as necessary) Examiner Name Unassigned ALI-001CIP1 Attomey Docket Number Sheet 1

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code 2 of Accession	Publication Date MM-DO-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 8049614	09-23-2010	Kahn et al.	
		<sup>US.</sup> 7987070	09-17-2009	Kahn et al.	
		<sup>US-</sup> 8040382	07-09-2009	Kahn et al.	
		<sup>US-</sup> 7647196	02-12-2009	Kahn et al.	
		<sup>US-</sup> 7917768	07-24-2008	Kahn et al.	
		<sup>US-</sup> 7705723	10-04-2007	Kahn et al.	
		<sup>US-</sup> 7839279	02-01-2007	Kahn et al.	
		<sup>US-</sup> 8064759		Kahn et al.	
		US- 7982770		Kahn et al.	
		<sup>US-</sup> 7970586		Kahn et al.	
		<sup>US-</sup> 7907901		Kahn et al.	
		<sup>US-</sup> 7881902		Kahn et al.	
		<sup>US-</sup> 7849184		Kahn et al.	
		<sup>US-</sup> 7841967		Kahn et al.	
		US- 7800044		Kahn et al.	
		⊍s- 7788059		Kahn et al.	
		<sup>US-</sup> 7753861		Kahn et al.	
		US- 7747735		Kahn et al.	
		<sup>US-</sup> 7690556		Kahn et al.	

Examiner Cite Initiats' No.1	Foreign Patent Document	Foreign Patent Document Publication Date		Pages, Columns, Lines, Where Relevant Passages		
	Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear		
		PCT/US04/26187	02-24-2005	Teller et al.		
		PCT/US01/20014	01-03-2002	Teller et al.		
		PCT/US02/24552	02-20-2003	Teller et al.		
		PCT/US05/09476	10-06-2005	Teller et al.		
		PCT/US09/06234	06-10-2010	Teller et al.		
		PCT/US03/26261	03-04-2004	Teller et al.		

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Signatu		Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. \*Applicant's unique citation designation number (optional). \*See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. \*Senter Office that issued the document, by the two-latter code (WIPO Standard ST.3). \*For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \*Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. \*Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. 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 2 hours to complete, including gathering, preparing, and submitting the completed application from 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, 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.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMS control number. Complete if Known Substitute for form 1449/PTO Application Number 13/158,416 Filing Date 6-11-2011 INFORMATION DISCLOSURE First Named Inventor Richard Lee Drysdale STATEMENT BY APPLICANT Art Unit 1742 (Use as many sheets as necessary) Examiner Name Unassigned ALI-001CIP1 Attomey Docket Number Sheet 2

			U.S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 of Access</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 7662065		Kahn et al.	
	1	<sup>US.</sup> 7653508		Kahn et al.	
		<sup>US-</sup> 7647195		Kahn et al.	
		<sup>US-</sup> 7457719		Kahn et al.	
		<sup>US-</sup> 7343260		Kahn et al.	
		<sup>US-</sup> 6527711		Stivoric et al.	
		<sup>US-</sup> 6595929	12-05-2002	Slivoric et al.	
		<sup>US-</sup> 6605038		Teller et al.	
		<sup>US-</sup> 7020508	02-26-2004	Stivoric et al.	
		<sup>US-</sup> 7153262	04-03-2003	Stivoric et al.	
		<sup>US-</sup> 7261690	02-14-2002	Teller et al.	
		<sup>US-</sup> 7285090	08-05-2004	Stivoric et al.	
		<sup>US-</sup> 7502643	05-26-2005	Famingdon et al.	
		<sup>US-</sup> 7689437		Teller et al.	
		US- 7959567	11-06-2008	Stivoric et al.	
		us- 8073707	02-09-2006	Teller et al.	
		<sup>US-</sup> D439981		Kasabach et al.	
		<sup>US-</sup> D451604		Kasabach et al.	
		<sup>US-</sup> D460971		Sica et al.	

	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>3</sup> 'Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Tº
		PCT/US08/54312	08-21-2008	Stivoric et al.		
		PCT/US02/09972	10-10-2002	Stivoric et al.		
***************************************		PCT/US01/40958	12-20-2001	Teller et al.		
		CA-2413220		Teller et al.		
		EP-2001944698		Telier et al.		
		IL-153478		Teller et al.		

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***************************************			U.S. PATEN	r documents	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 of Access</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> D631552		Kasabach et al.	
***************************************	1	<sup>US.</sup> D632396		Kasabach et al.	
		<sup>US-</sup> 61516479		Fish et al.	
		<sup>US-</sup> 61404379		Fish et al.	
		<sup>US.</sup> 61516480		Fish et al.	
		<sup>US-</sup> 61404381		Ram David Adva Fish	
		<sup>US-</sup> D645968		Kasabach et al.	
		<sup>US-</sup> 12684881	07-14-2011	Kahn et al.	
***************************************		<sup>US-</sup> 12472361	12-02-2010	Kahn et al.	
		<sup>US-</sup> 12247950	04-08-2010	Kahn et al.	
•		<sup>US-</sup> 12202206	03-04-2010	Kahn et al.	
		<sup>US-</sup> 12469633	11-26-2009	Kahn et al.	
		<sup>US.</sup> 12113110	11-05-2009	Kahn et al.	
		<sup>US-</sup> 11871151	04-16-2009	Kahn et al.	
		US- 12490304	12-24-2009	Kahn et al.	
		<sup>∪S</sup> - 11582896	05-03-2007	Stivoric et al.	
		<sup>US-</sup> 10638588	02-19-2004	Teller et al.	
		<sup>US.</sup> 10682293	07-08-2004	Teller et al.	
		<sup>US-</sup> 10940214	05-26-2005	Pacione et al.	

Examiner Initiats*	Cite No. 1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
			MM-DD-YYYY		Or Relevant Figures Appear	Ŧº
		JP-200251105		Teller et al.		
		KR-1020027017160		Teller et al.		
		CA-2413148		Teller et al.		
		EP-2001948636		Teller et al.		
		IL-153516		Teller et al.		
		JP-2002504897		Teller et al.		

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				DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code 2 of Americal	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		<sup>US-</sup> 11088002	11-03-2005	Stivoric et al.	
		<sup>US-</sup> 11239748	11-23-2006	Stivoric et al.	
		<sup>US-</sup> 11322010	06-08-2006	Teller et al.	
		<sup>US-</sup> 11434949	10-05-2006	Teller et al.	
		<sup>US-</sup> 11481147	02-15-2007	Stivoric et al.	
		<sup>US-</sup> 11724373	07-26-2007	Teller et al.	
		<sup>US-</sup> 11925906	07-31-2008	Teller et al.	
		<sup>US-</sup> 11925965	07-17-2008	Stivoric et al.	
		<sup>US.</sup> 11928039	07-10-2008	Stivoric et al.	
		<sup>US-</sup> 11928302	07-31-2008	Farringdon et al.	
		<sup>US-</sup> 11930036	07-10-2008	Teller et al.	
		<sup>US-</sup> 11930053	07-10-2008	Teller et al.	
		<sup>US-</sup> 11930081	07-03-2008	Teller et al.	
		<sup>US-</sup> 11930091	07-03-2008	Teller et al.	
		US- 11930092	07-17-2008	Teller et al.	
		<sup>∪s</sup> - 11930094	07-17-2008	Teller et al.	
		<sup>US-</sup> 12033728	01-01-2009	Stivoric et al.	
		<sup>US-</sup> 12033722	01-01-2009	Stivoric et al.	
		<sup>US-</sup> 12033731	12-25-2008	Slivoric et al.	

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Examiner Initials*	Ofte No.	Foreign Patent Document  Country Code* Number* Kind Code* (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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		KR-1020027017525		Teller et al.		
		CA-2454655		Teller et al.		
		EP-2002768402		Teller et al.		
		IL-160079		Teller et al.		
		JP-2003519861		Teller et al.		
		KR-102004001744		Teller et al.		

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***************************************	******		U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ļ	Number-Kind Code <sup>2 of known)</sup>			( igues Appes)
		<sup>US-</sup> 12033737	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033741	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033746	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033751	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033753	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033760	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12033766	12-25-2008	Stivoric et al.	
		<sup>US-</sup> 12217299	07-09-2009	Stivoric et al.	
		<sup>US-</sup> 12840109	11-11-2010	Farringdon et al.	
		<sup>US-</sup> 10682293	07-08-2004	Teller et al.	
		<sup>US-</sup> 60729663		Donald G. Stein	
		<sup>US-</sup> 60727357		Pacione et al.	
***************************************		<sup>US-</sup> 60555280		Pacione et al.	
		<sup>US-</sup> 60502746		Bucher et al.	
***************************************		US- 60417163		Andre et al.	
		∪s- 60729683		Stivoric et al.	
	1	<sup>US-</sup> 60958516		Andre et al.	
		<sup>US.</sup> 60510013		Farringdon et al.	
***************************************		<sup>US-</sup> 60502764		Slivoric et al.	

Examiner Initiats*	Cite No. 1	Foreign Patent Document  Country Code* Number * Kind Code* (if known)	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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		CA-2560323		Stivoric et al.		
		IL-178183		Stivoric et al.		
		JP-200750091		Stivoric et al.		
		EP-2005732135		Stivoric et al.		
		EP-2009830687		Ward et al.		
		CA-2496579		Stivoric et al.		

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		US- 60901952		Stivoric et al.	•
	<b>†</b>	<sup>US-</sup> 11925902	05-07-2009	Teller et al.	
	1	<sup>US-</sup> 11925903	07-31-2008	Teller et al.	
		<sup>US-</sup> 11925908	07-17-2008	Teller et al.	
		<sup>US-</sup> 11876601		Stivoric et al.	
		<sup>US-</sup> 11930405	07-24-2008	Teller et al.	
		<sup>US-</sup> 11928059	09-04-2008	Slivoric et al.	
		<sup>US-</sup> 11928027	07-03-2008	Stivoric et al.	
		<sup>US-</sup> 11928051	07-10-2008	Stivoric et al.	
		<sup>US-</sup> 11930100	07-17-2008	Teller et al.	
		<sup>US-</sup> 11930048	07-10-2008	Teller et al.	
		<sup>US-</sup> 11930101	07-10-2008	Teller et al.	
		<sup>US-</sup> 11927365	11-20-2008	Stivoric et al.	
		<sup>US-</sup> 11927276	11-20-2008	Stivoric et al.	
		US- 8047966	09-03-2009	Dorogusker et al.	
		∪s- 8083643	04-28-2011	Carl Ng et al.	
		<sup>US-</sup> 6356940		Brian Robert Short	
		US- 5974262		Fuller et al.	
		<sup>US-</sup> 13253000		Ram David Adva Fish	

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			MM-DD-YYYY		Or Relevant Figures Appear	Ŧº
		EP-2003793253		Stivoric et al.		
		IL-167045		Stivoric et al.		
***************************************		JP-2004529813		Stivoric et al.		
		KR-1020057003029		Stivoric et al.		
		MX-PA/a/2005/002024		Teller et al.		
		EP-2008730171		Stivoric et al.		

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***************************************		<sup>US-</sup> 13182352	01-05-2012	Nazarian et al.	
		<sup>US-</sup> 7993276	04-20-2006	Nazarian et al.	***
		<sup>US-</sup> 12560069	08-26-2010	Nadkami et al.	
		<sup>US-</sup> 12621099	09-30-2010	Nadkarni et al.	
		<sup>US-</sup> 12823280	01-06-2011	Bentley et al.	
		<sup>US-</sup> 12883304	03-17-2011	Jangle et al.	
		<sup>US-</sup> 12891108	03-17-2011	Jangle et at.	
		<sup>US-</sup> 13204658	11-24-2011	Jangle et at.	
***************************************		<sup>US-</sup> 61210821		Ram David Adva Fish	
		<sup>US-</sup> 61210862		Ram David Adva Fish	
***************************************		<sup>US-</sup> 12730194	09-23-2010	Ram David Adva Fish	
		<sup>US-</sup> 12730199	09-23-2010	Ram David Adva Fish	
***************************************		<sup>US-</sup> 61630064		Ram David Adva Fish	
***************************************		<sup>US-</sup> 61627891		Ram David Adva Fish	
***************************************		US- 61516478		Fish et al.	
		<sup>∪s</sup> - 61516477		Ram David Adva Fish	
		<sup>US-</sup> 6714859		Jones, Martin Kelly	
		<sup>US-</sup> 6952645		Jones, Marlin Kelly	
***************************************		<sup>US-</sup> 7030781		Jones, Martin Kelly	

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			MM-DD-YYYY		Or Relevant Figures Appear	Ţº
		CA-2441962		Stivoric et al.		
		EP-2002733920		Stivoric et al.		
		IL-158067		Stívoric et al.		
		JP-2002576812		Stivoric et al.		
		KR-1020037012845		Stivoric et al.		

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		US- 7400970		Jones, Martin Kelly	
***************************************	1	<sup>US-</sup> 6904359		Jones, Martin Kelly	
		<sup>US-</sup> 6486801		Jones, Martin Keliy	
		<sup>US-</sup> 13405241		Rahman et al.	
		<sup>US-</sup> 13158372		Fullam et al.	
		<sup>US-</sup> 13135728	***************************************	Drysdale et al.	
		<sup>US-</sup> 61495995		Drysdale et al.	
		<sup>US-</sup> 13180320		Rahman et al.	
		<sup>US-</sup> 61495994		Drysdale et al.	
		<sup>US-</sup> 13181512		Rahman et el.	
		<sup>US-</sup> 61495997		Drysdale et al.	
		<sup>US-</sup> 61495996		Drysdale et al.	
		<sup>US.</sup> 61511541		Jeffery Miao	
		<sup>US-</sup> 13247975		Sashittal et al.	
		US- 13180000		Rahman et al.	
		<sup>∪s.</sup> 61507091		Rahman et al.	
		<sup>US-</sup> 61572204		Rahman et al.	
		<sup>US-</sup> 61572206		Rahman et al.	
		<sup>US-</sup> 13181495		Rahman et al.	

		FOREIG	N PATENT DOCL	IMENTS		
	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
		Country Code <sup>3</sup> Number <sup>3</sup> 'Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°
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Examiner	Date	
Signature	Considered	

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.cox">www.uspto.cox</a> or MPEP 901.04. Senter Office that issued the document, by the two-lister code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the

This collection of information is required by 47 CPM 1.97 and 1.98. The information is required to obtain or retain a benefit by the pursic which is to the (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 2 hours 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, 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.

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. Complete if Known Substitute for form 1449/PTO Application Number 13/158,416 Filing Date 6-11-2011 INFORMATION DISCLOSURE First Named Inventor Richard Lee Drysdale STATEMENT BY APPLICANT Art Unit 1742 (Use as many sheets as necessary) Examiner Name Unassigned Attorney Docket Number ALI-001CIP1 Sheet 9

			U. S. PATENT	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 of Recoord</sup>	Publication Date MM-DO-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
*************		<sup>US-</sup> 13181511		Rahman et al.	
		<sup>US-</sup> 13181486		Rahman et al.	
		<sup>US-</sup> 13181500		Rahman et al.	
		<sup>US-</sup> 13181498		Rahman et al.	
		<sup>US-</sup> 13181513		Rahman et al.	
		<sup>US-</sup> 13361919		Rahman et al.	
		<sup>US-</sup> 13405240	02-25-2012	Drysdale et al.	
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		FOREI	ON PATENT DOCU	MENTS		
Examiner Cite No.1		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	
	Country Code <sup>3</sup> Number <sup>3</sup> 'Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	₹*	
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Examiner	Date	
Signature	Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Senter Office that issued the document, by the two-lister code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. 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 2 hours 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, 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.

Electronic Acknowledgement Receipt				
EFS ID:	12184553			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Scott Susumu Kokka			
Filer Authorized By:				
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	29-FEB-2012			
Filing Date:	11-JUN-2011			
Time Stamp:	16:44:34			
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	Foreign Reference		1.pdf	1998491	. no	68	
·				98dab964f1f078924b68bc3350eb3f96ef1e 8222			
Warnings:							
Information:							

2	Foreign Reference	2.pdf	3079500	no	77	
			aa 27812d 1e 2d 38db 365e a 612ba 6e 0 ce 32b a 86 ce 9			
Warnings:						
Information:						
3	Foreign Reference	3.pdf	20897021	no	889	
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4	Foreign Reference	4.pdf	19528125	no	834	
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5	Foreign Reference	5.pdf	7446b3f31e317e1510e350eade81702bf9d 3725c			
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7	Foreign Reference	7.pdf	24168972	no	264	
7			bf7a0118093dab6257d2ada28e060549742 af856		264	
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	Foreign Reference	8.pdf	23722344	no	229	
8			892dd447306ccccd21e8f4296fb14470ac99 9632			
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_	Foreign Reference	9.pdf	24482591	no		
9			ab2b3328a471271610a387e773d27ad244 e205c6		479	
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10	Foreign Reference	10.pdf	21290259	no	202	
10			b56013e8c6c1f898f9d62c57af183f5fba6da 074		203	
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11	Foreign Reference	11.pdf	21839071	no	216
		11.pui	79a7fdfe2efb4ea5ff476bddd8d0bbca296e 347b		
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Information:					
12	Foreign Reference	12.pdf	24691137	no	257
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13	Foreign Reference	13.pdf	23985391	no	270
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Warnings:					
Information:					
14	Foreign Reference	14.pdf	21736470	no	347
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Warnings:					
Information:					
15	Transmittal Letter	ALI-001CIP1IDS.pdf	1414108	no	4
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Warnings:					
Information:					
16	Information Disclosure Statement (IDS) Form (SB08)	ALI-001 CIP1 PTO SB08a.pdf	2320821	no	9
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Information:					
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#### New Applications Under 35 U.S.C. 111

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.

# National Stage of an International Application under 35 U.S.C. 371

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.

## New International Application Filed with the USPTO as a Receiving Office

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

In re Application for: Confirmation No.: 9386

Drysdale et al. Examiner: Unassigned

Application Serial No.: 13/158,416 Group Art Unit: 1742

Filing Date: June 11, 2011 Date: February 29, 2012

For: COMPONENT PROTECTIVE Atty. Docket No.: ALI-001CIP1

OVERMOLDING

#### CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being deposited via EFS-Web to the United States Patent and Trademark Office on February 29, 2012.

Signed:

# INFORMATION DISCLOSURE STATEMENT

Sir or Madam:

In accordance with 37 CFR §§ 1.97 and 1.98, the items identified in this Information Disclosure Statement (IDS) are being brought to the attention of the Office. The items are listed on the attached forms PTO/SB/08a. The Examiner is requested to make these documents of record.

The items identified in this IDS may or may not be "material" pursuant to 37 CFR § 1.56. The submission thereof by Applicants is not to be construed as an admission that any such patent, publication or other information referred to therein is material or considered to be material (37 CFR § 1.97(h)), or even qualifies as "prior art" under 35 USC § 102 with respect to this invention unless specifically designated by Applicants as such.

#### 1. Timing of the Information Disclosure Statement:

This IDS is believed to be timely in that it is being submitted under 37 CFR § 1.97(b), that is (1) with the new patent application submitted herein (37 CFR § 1.97(a)); or (2) within three months of the filing date of the application, which is not a continued prosecution application filed under § 1.53(d) or (3) within three months of entry of the national stage as set forth in 37 CFR § 1.491; or (4) before the

mailing	g of a fir:	st Office action on the merits; or (5) before the mailing of a first Office action after filing a
request	for cont	inued examination under § 1.114. Thus, no fee is required.
		However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable.
		However, if the undersigned is in error in this regard, Applicant respectfully requests that the Office consider this IDS as filed under 37 CFR § 1.97(c), if applicable, and a statement under 37 CFR § 1.97(e) is included below, thus no fee is required.
	This ID	S is being submitted under 37 CFR § 1.97(c), that is after mailing of a first Office Action
on the	merits, b	ut before a Final Action under 37 CFR § 1.113 or a Notice of Allowance under
37 CFF	R § 1.311	
		The fee due under 37 CFR § 1.17(p) is submitted herewith.
		A statement under 37 CFR § 1.97(e) is included below, thus no fee is required. In the event that this IDS is not mailed before a Final Action or a Notice of Allowance, then Applicant respectfully requests that the Office consider the filing of these papers to be submitted under 37 CFR § 1.97(d).
	This ID	S is being submitted under 37 CFR § 1.97(d), that is after a Final Action under
37 CFF	R § 1.113	or a Notice of Allowance under 37 CFR § 1.311, but before payment of the issue fee. A
stateme	ent under	37 CFR § 1.97(e) is included below. The fee due under 37 CFR § 1.17(p) is submitted
herewi	th.	
		STATEMENT UNDER 37 CFR § 1.97(e):
	Non-Pa	stent Literature Document Cite No. X contained in the IDS was first cited in a
commi	mication	from a foreign patent office in a counterpart foreign application not more than three
months	s prior to	the filing of the IDS.
K-21	<b>3</b> 6 6 6	
		a contained in this IDS was cited in a communication from a foreign patent office in a
	-	eign application, and, to the knowledge of the person signing this statement after making
	•	firy, no item of information contained in this IDS was known to any individual designated
111 37 C	. F W & 1	56(c) more than three months prior to the filing of this IDS.
2. Cor	pies of th	e Cited Items:
	Copies	of all items listed on the attached form PTO/SB/08a are enclosed.
$\boxtimes$	Copies	of all Foreign Patent Documents listed on form PTO/SB/08a are enclosed as required by
37 CFI	R § 1.98(	a)(2).

Copies of the following documents listed in PTO/SB/08a (Item Nos. X) are not supplied as they were previously cited by the Office or submitted in Information Disclosure Statements in related applications (Application No. X, filed X) and relied upon in this application for an earlier filing date under 35 USC § 120. See 37 CFR § 1.98(d). The Examiner is requested to make these documents of record.
Copies of the following items listed on the attached forms PTO/SB/08a (Non-Patent Literature Documents Item Nos. 1) were cited in a foreign examination report in a related case. A copy of the search report is attached hereto.
3. Concise Explanation of Relevance:
A concise explanation of relevance of the items listed on forms PTO/SB/08a is not given.
A concise explanation of relevance of [some of] the items listed on forms PTO/SB/08a is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references (copy attached).
4. Related Applications:
Applicant(s) bring to the Office's attention the following related application(s): U.S. Patent;
Application No. 13/158,372 filed June 10, 2011, Attorney Docket No. ALI-001;
Application No. 13/135,728 filed July 12, 2011, Attorney Docket No. ALI-001CIP1CIP1;
Application No. 61/495,995 filed June 11, 2011, Attorney Docket No. ALI-002P;
Application No. 13/180,320 filed July 11, 2011, Attorney Docket No. ALI-002;
Application No. 13/405,240 file February 25, 2012, Attorney Docket No. ALI-002CON1;
Application No. 61/495,994 filed June 11, 2011, Attorney Docket No. ALI-003P;
Application No. 13/181,512 filed July 12, 2011, Attorney Docket No. ALI-003;
Application No. 61/495,997 filed June 11, 2011, Attorney Docket No. ALI-004P;
Application No. 61/495,996 filed June 11, 2011, Attorney Docket No. ALI-005P;
Application No. 61/511,541 filed July 25, 2011, Attorney Docket No. ALI-006P;
Application No. 13/247,975 filed September 28, 2011, Attorney Docket No. ALI-006;
Application No. 13/180,000 filed July 11, 2011, Attorney Docket No. ALI-007;
Application No. 61/507,091 filed July 12, 2011, Attorney Docket No. ALI-010P;
Application No. 61/572 204 filed July 12, 2011. Attorney Docket No. ALI-011P

Application No. 61/572,206 filed July 12, 2011, Attorney Docket No. ALI-012P;

Application No. 13/181,495 filed July 12, 2011, Attorney Docket No. ALI-013;

Application No. 13/361,919 filed January 30, 2012, Attorney Docket No. ALI-013CON1;

Application No. 13/181,511 filed July 12, 2011, Attorney Docket No. ALI-014;

Application No. 13/181,486 filed July 12, 2011, Attorney Docket No. ALI-015;

Application No. 13/181,500 filed July 12, 2011, Attorney Docket No. ALI-016;

Application No. 13/181,498 filed July 12, 2011, Attorney Docket No. ALI-018;

Application No. 13/405,241 filed February 25, 2012, Attorney Docket No. ALI-018CON1;

Application No. 13/181,513 filed July 12, 2011, Attorney Docket No. ALI-019.

#### 5. Conclusion:

Citation of the above documents shall not be construed as:

- an admission that the documents are necessarily prior art with respect to the instant invention;
- 2. a representation that a search has been made, other than as described above; and
- an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached forms PTO/SB/08a with initials or other appropriate marks. In the unlikely event that the transmittal letter is separated from this document and the U.S. Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time. However, the Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Respectfully submitted,

Dated: February 29, 2012 By:

Scott S. Kokka Registration No. 51,893

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Rahman et al.

Application Serial No.: 13/158,416

Filing Date: June 11, 2011

For: COMPONENT PROTECTIVE

**OVERMOLDING** 

Examiner: Unassigned

Group Art Unit: 3633

Confirmation No.: 9386

Date: June 9, 2012

Atty. Docket No.: ALI-001CIP1

#### **CERTIFICATE OF TRANSMISSION**

I hereby certify that this correspondence is being deposited via EFS-Web with the United States Patent and Trademark Office on June 9, 2012.

Signed:

Scott S, Kokka

# PRELIMINARY AMENDMENT

Dear Sir or Madam:

Prior to the examination of the above-referenced patent application on the merits, please amend the application as follows:

Please amend the claims to cancel claims 1-27 and add new claims 28-54.

# IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Please cancel claims 1-27 and add new claims 28-54.

1-27. (Canceled)

# 28. (New) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework; and

molding a first protective layer over the framework the one or more elements, and the protective material, after the protective material has been selectively applied, the first protective layer being configured to cover the framework and each of the one or more elements, and molding a second protective layer over the first protective layer when the first protective layer is molded over the framework, the first protective layer being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern, the second protective layer being removable if a defect is yielded during an inspection.

- 29. (New) The method of claim 28, further comprising performing an inspection after molding the first protective layer and before molding the second protective layer.
- 30. (New) The method of claim 28, further comprising performing an inspection after molding the second protective layer.

- 31. (New) The method of claim 28, wherein the second protective layer is removed if an inspection after molding the second protective layer yields a defect in the second protective layer.
- 32. (New) The method of claim 28, wherein the protective material comprises an ultra violet curable material.
- 33. (New) The method of claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (New) The method of claim 28, wherein the first protective layer comprises a polymer.
- 35. (New) The method of claim 28, wherein the first protective layer comprises an elastomer.
- 36. (New) The method of claim 28, wherein the first protective layer comprises a thermoplastic elastomer.

# 37. (New) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework; and

forming a first protective layer substantially over the framework, the one or more elements, and the protective material, after the protective material has been selectively applied, and forming a second protective layer substantially over the first protective layer, the second

protective layer being formed substantially simultaneously with the forming of the first protective layer, the first protective layer being configured to protect the framework and to provide a cosmetic surface, the second protective layer being removable if a defect is yielded during an inspection.

- 38. (New) The method of claim 37, wherein the protective material comprises a metal housing configured to cover at least one of the one or more elements.
- 39. (New) The method of claim 37, wherein the protective material comprises an epoxy.
- 40. (New) The method of claim 37, wherein the protective material comprises an ultra violet curable material configured to prevent damage to the one or more elements when the first protective layer or the second protective layer are formed.
- 41. (New) The method of claim 37, wherein the one or more elements comprises a structure configured to use electrical power from a battery to generate a vibration.
- 42. (New) The method of claim 37, wherein the one or more elements comprises a printed circuit board assembly.
- 43. (New) The method of claim 37, wherein the one or more elements comprises a memory configured to store data.

44. (New) The method of claim 37, wherein the one or more elements comprises a processor.

#### 45. (New) A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework; and

forming a molding substantially over the framework, the one or more elements coupled to the framework, and the protective material, an outer surface of the molding being configured to receive a cosmetic design.

# 46. (New) A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework;

forming an inner molding substantially over the framework, the inner molding being formed substantially simultaneously when selectively applying the protective material over the one or more elements, the one or more elements coupled to the framework, and the protective material, the inner molding being formed after the protective material has been selectively applied; and

forming an outer molding substantially over the inner molding, the outer molding being formed substantially simultaneously when selectively applying the protective material over the one or more elements and forming the inner molding, the outer molding being configured to protect the framework and to provide a surface configured to receive a pattern, the outer molding being removable if a defect is found during an inspection performed after the outer molding is formed.

- 47. (New) The method of claim 46, wherein the framework comprises a metal.
- 48. (New) The method of claim 46, wherein the framework comprises an alloy.
- 49. (New) The method of claim 46, wherein at least one of the one or more elements is an accelerometer.
- 50. (New) The method of claim 46, wherein at least one of the one or more elements is an analog audio plug.
- 51. (New) The method of claim 50, wherein the analog audio plug is a TRRS.
- 52. (New) The method of claim 46, further comprising forming another outer molding if the defect is found in the outer molding, the another outer molding being formed after the outer molding is removed.
- 53. (New) The method of claim 46, wherein the outer molding is configured to be impermeable.
- 54. (New) The method of claim 46, wherein the second protective material is configured to receive a pattern formed on an outer surface of the second protective material.

# **REMARKS**

The specification has been amended to cancel claims 1-27 and to add new claims 28-54. Claims 28-54 remain pending.

Consideration of the above-referenced patent application and allowance of all pending claims presented for examination are respectfully requested. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned representative.

Respectfully submitted,

Scott S. Kokka Reg. No. 51,893

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301 Tel: (650) 566-9921

Fax: (650) 566-9922

Electronic Acknowledgement Receipt					
EFS ID:	12975655				
Application Number:	13158416				
International Application Number:					
Confirmation Number:	9386				
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING				
First Named Inventor/Applicant Name:	Richard Lee Drysdale				
Customer Number:	15516				
Filer:	Scott Susumu Kokka				
Filer Authorized By:					
Attorney Docket Number:	ALI-001CIP1				
Receipt Date:	09-JUN-2012				
Filing Date:	11-JUN-2011				
Time Stamp:	23:07:44				
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	Preliminary Amendment	ALI-001C	ALI-001CIP1PreliminaryAmend ment.pdf	642629	no	7		
'				47c31278e39e015a2322bbb0364262299ae 3e7c7				
Warnings:								
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#### New Applications Under 35 U.S.C. 111

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#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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.

PTO/SB/06 (07-06) Approved for use through 1/31/2007. OMB 0651-0032

Approved for use through 1/31/2007. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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 Application or Docket Number Filing Date PATENT APPLICATION FEE DETERMINATION RECORD 06/11/2011 13/158,416 \_\_\_ To be Mailed Substitute for Form PTO-875 APPLICATION AS FILED - PART I OTHER THAN (Column 1) (Column 2) SMALL ENTITY OR SMALL ENTITY NUMBER FILED RATE (\$) FEE (\$) FOR NUMBER EXTRA RATE (\$) FEE (\$) ☐ BASIC FEE N/A N/A N/A N/A SEARCH FEE N/A N/A N/A N/A (37 CFR 1.16(k), (i), or (m)) **EXAMINATION FEE** N/A N/A N/A N/A (37 CFR 1.16(o), (p), or (a) TOTAL CLAIMS OR minus 20 = X \$ X \$ (37 CFR 1.16(i)) INDEPENDENT CLAIMS (37 CFR 1.16(h)) X \$ X \$ minus 3 = If the specification and drawings exceed 100 sheets of paper, the application size fee due PAPPLICATION SIZE FEE is \$250 (\$125 for small entity) for each (37 CFR 1.16(s)) 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)) TOTAL \* If the difference in column 1 is less than zero, enter "0" in column 2. TOTAL APPLICATION AS AMENDED - PART II OTHER THAN SMALL ENTITY OR SMALL ENTITY (Column 1) (Column 2) (Column 3) CLAIMS HIGHEST REMAINING PRESENT ADDITIONAL ADDITIONAL RATE (\$) 06/09/2012 RATE (\$) PREVIOUSLY **EXTRA** FEE (\$) FEE (\$) AMENDMENT PAID FOR ENDME Total (37 CFR \*\* 27 \* 27 Minus = 0 OR X \$60= 0 X \$ \*\*\*4 = 0 0 \* 4 OR Minus X \$ X \$250= Application Size Fee (37 CFR 1.16(s)) FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) OR TOTAL TOTAL ADD'L OR ADD'L 0 FEE (Column 1) (Column 2) (Column 3) ADDITIONAL REMAINING PRESENT ADDITIONAL NUMBER RATE (\$) RATE (\$) FEE (\$) PREVIOUSLY **EXTRA AFTER** FEE (\$) AMENDMENT Total (37 CFR Minus X \$ OR X \$ \*\*\* X \$ OR X \$ AMEN Application Size Fee (37 CFR 1.16(s)) OR FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j)) TOTAL TOTAL ADD'L OR ADD'L FFF \* If the entry in column 1 is less than the entry in column 2, write "0" in column 3. Legal Instrument Examiner: \*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20". /CHERRI FITZGERALD/ \*\*\* 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

This collection of information is required by 37 CFR 1.16. 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, 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.

PTO/SB/36 (07-09)

Approved for use through 07/31/2012. OMB 0651-0031 U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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# RESCISSION OF PREVIOUS NONPUBLICATION REQUEST

(35 U.S.C. 122(b)(2)(B)(ii)) AND, IF APPLICABLE, NOTICE OF FOREIGN FILING (35 U.S.C. 122(b)(2)(B)(iii))

Send completed form to: Mail Stop PG Pub Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 (FAX: (571) 273-8300

Application Number		13/158,416		
Filing Date		June 11, 2011		
First Named Inventor		Richard Lee Drysdale		
Title COMPONE		NT PROTECTIVE OVERMOLDING		
Atty Docket Number		ALI-001CIP1		
Art Unit		1742		
Examiner		Unassigned		

A request that the above-identified application not be published under 35 U.S.C. 122(b) (nonpublication request) was included with the above-identified application on filing pursuant to 35 U.S.C. 122(b)(2)(B)(i). I hereby **rescind** the previous nonpublication request.

If a notice of foreign or international filing is or will be required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c), I hereby provide such notice: This notice is being provided no later than forty-five (45) days after the date of such foreign or international filing.

If a notice of subsequent foreign or international filing required by 35 U.S.C. 122(b)(2)(B)(iii) and 37 CFR 1.213(c) was not filed within forty-five (45) days after the date of filing of the foreign or international application, the application is ABANDONED, and a petition to revive under 37 CFR 1.137(b) is required. See 37 CFR 1.137(f).

SHM	June 27, 2012
Signature	Date
Scott S. Kokka	51,893
Typed or printed name	Registration Number, if applicable
(650) 566-9921	
Telephone Number	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

This request must be signed in compliance with 37 CFR 1.33(b).

If information or assistance is needed in completing this form, please contact the Pre-Grant Publication Division at (703)605-4283 or by e-mail at PGPub@USPTO.gov.

CERTIFICATE OF MAIL  I hereby certify that this correspondence is being transmitted via the (EFS-Web) to the USPTO on the date shown below.	.ING OR TRANSMISSION U.S. Patent and Trademark Office electronic filing system
Signature	
Name (Print/Type) Amiee H. Shin	Date June 27, 2012

This collection of information is required by 37 CFR 1.213(b). 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 PG Pub, 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:	13124497				
Application Number:	13158416				
International Application Number:					
Confirmation Number:	9386				
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING				
First Named Inventor/Applicant Name:	Richard Lee Drysdale				
Customer Number:	15516				
Filer:	Scott Susumu Kokka				
Filer Authorized By:					
Attorney Docket Number:	ALI-001CIP1				
Receipt Date:	27-JUN-2012				
Filing Date:	11-JUN-2011				
Time Stamp:	21:48:08				
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	Rescind Nonpublication Request for Pre Grant Pub		.l-001CIP1_PTO_SB36_Rescis	1	no	1		
'		5,6	on_Request_asfiled.pdf	4d0e2c12e4f7ac6507a17517771f8dcfc50d d814				
Warnings:								
Information:								

94178

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.

#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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
PO. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER FILING OR 371(C) DATE FIRST NAMED APPLICANT ATTY. DOCKET NO./TITLE 13/158,416 06/11/2011 Richard Lee Drysdale ALI-001CIP1

15516 Kokka & Backus, PC 703 High Street Palo Alto, CA 94301 CONFIRMATION NO. 9386 NONPUBLICATION RESCISSION LETTER



Date Mailed: 06/29/2012

# Communication Regarding Rescission Of Nonpublication Request and/or Notice of Foreign Filing

Applicant's rescission of the previously-filed nonpublication request and/or notice of foreign filing is acknowledged. The paper has been reflected in the Patent and Trademark Office's (USPTO's) computer records so that the earliest possible projected publication date can be assigned.

The projected publication date is 12/13/2012.

If applicant rescinded the nonpublication request <u>before or on the date</u> of "foreign filing," then no notice of foreign filing is required.

If applicant foreign filed the application <u>after filing the above application and before</u> filing the rescission, and the rescission did not also include a notice of foreign filing, then a notice of foreign filing (not merely a rescission) is required to be filed within 45 days of the date of foreign filing. <u>See</u> 35 U.S.C. § 122(b)(2)(B)(iii), and <u>Clarification of the United States Patent and Trademark Office's Interpretation of the Provisions of 35 U.S.C. § 122(b)(2)(B)(iii)-(iv), 1272 Off. Gaz. Pat. Office 22 (July 1, 2003).</u>

If a notice of foreign filing is required and is not filed within 45 days of the date of foreign filing, then the application becomes abandoned pursuant to 35 U.S.C. § 122(b)(2)(B)(iii). In this situation, applicant should either file a petition to revive or notify the Office that the application is abandoned. See 37 CFR 1.137(f). Any such petition to revive will be forwarded to the Office of Petitions for a decision. Note that the filing of the petition will not operate to stay any period of reply that may be running against the application.

Questions regarding petitions to revive should be directed to the Office of Petitions at (571) 272-3282.

<sup>1</sup> Note, for purpose of this notice, that "foreign filing" means "filing an application directed to the same invention in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing".

,	/llam/	
Office of Data Ma	 anagement, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-010	)1

page 1 of 1



## 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 NUMBER 13/158,416

FILING OR 371(C) DATE 06/11/2011

FIRST NAMED APPLICANT

Richard Lee Drysdale

ATTY. DOCKET NO./TITLE ALI-001CIP1 **CONFIRMATION NO. 9386** 

**PUBLICATION NOTICE** 

15516 Kokka & Backus, PC 703 High Street Palo Alto, CA 94301

Title:COMPONENT PROTECTIVE OVERMOLDING

Publication No.US-2012-0313296-A1

Publication Date:12/13/2012

### 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.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently http://pair.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

Further assistance in electronically accessing the publication, or about PAIR, is available by calling the Patent Electronic Business Center at 1-866-217-9197.

Office of Data Managment, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/158,416	06/11/2011	Richard Lee Drysdale	ALI-001CIP1	9386
		3	EXAM	INER
703 High Street	t		LEE, EDMUND H	
raio Alto, CA	74301		ART UNIT	PAPER NUMBER
Kokka & Backus, PC 703 High Street			1744	
			MAIL DATE	DELIVERY MODE
			05/23/2013	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.

	<b>Application No.</b> 13/158,416	Applicant(s DRYSDALE						
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	corresponden	ce address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirting apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. mely filed in the mailing date of ED (35 U.S.C. § 13	of this communication.					
Status								
☐ A declaration(s)/affidavit(s) under <b>37 CFR 1.1</b> 2a)☐ This action is <b>FINAL</b> . 2b)☒ This  3)☐ An election was made by the applicant in responsible. ; the restriction requirement and election	<ul> <li>1) Responsive to communication(s) filed on 9 June 2012.</li> <li>A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on</li> <li>2a) This action is FINAL. 2b) This action is non-final.</li> <li>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.</li> <li>4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is</li> </ul>							
Disposition of Claims								
5) Claim(s) 28-54 is/are pending in the application 5a) Of the above claim(s) is/are withdraw 6) Claim(s) is/are allowed. 7) Claim(s) is/are rejected. 8) Claim(s) is/are objected to. 9) Claim(s) 28-54 are subject to restriction and/or * If any claims have been determined allowable, you may be eliparticipating intellectual property office for the corresponding aphttp://www.uspto.gov/patents/init_events/pph/index.jsp or send  Application Papers  10) The specification is objected to by the Examiner 11) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the orecast.	election requirement. igible to benefit from the Patent Proplication. For more information, plean inquiry to PPHfeedback@uspto.  r. epted or b) objected to by the drawing(s) be held in abeyance. Se	ase see gov. Examiner. ee 37 CFR 1.85	5(a).					
Priority under 35 U.S.C. § 119  12) ☐ Acknowledgment is made of a claim for foreign  Certified copies:  a) ☐ All b) ☐ Some * c) ☐ None of the:  1. ☐ Certified copies of the priority document  2. ☐ Certified copies of the priority document  3. ☐ Copies of the certified copies of the priority document  application from the International Bureau  * See the attached detailed Office action for a list of  Interim copies:  a) ☐ All b) ☐ Some c) ☐ None of the: Interiority document  * See the attached detailed Office action for a list of Interim copies:	s have been received. Is have been received in Applica rity documents have been receiv I (PCT Rule 17.2(a)).	tion Noved in this Na	utional Stage					
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	3)  Interview Summary Paper No(s)/Mail D 4)  Other:							

U.S. Patent and Trademark Office PTOL-326 (Rev. 03-13) Application/Control Number: 13/158,416

Art Unit: 1744

### **DETAILED ACTION**

Page 2

### Election/Restrictions

1. This application contains claims directed to the following patentably distinct species:

- a) those claims directed towards molding a first protective layer, and then molding a second protective layer over the first protective layer (cls 28-36);
- b) those claims directed towards forming a first protective layer, and forming a second protective layer simultaneously with the forming of the first protective layer (cls 37-44);
- c) those claims directed towards forming a molding substantially over the framework, the one or more elements coupled to the framework, and the protective material, an outer surface of the molding being configured to receive a cosmetic design (cl 45); and
- d) those claims directed towards simultaneously applying a protective material, an inner molding, and an outer molding (cls 46-54).
- 2. The species are independent or distinct because they are non-overlapping. In addition, these species are not obvious variants of each other based on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species, or a single grouping of patentably indistinct species, for prosecution on the merits to which

Art Unit: 1744

the claims shall be restricted if no generic claim is finally held to be allowable. Currently, there are no generic claims.

There is a search and/or examination burden for the patentably distinct species as set forth above because at least the following reason(s) apply:

The search and examination strategies of the species are non-overlapping.

Applicant is advised that the reply to this requirement to be complete <u>must</u> include (i) an election of a species or a grouping of patentably indistinct species to be examined even though the requirement <u>may</u> be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected species or grouping of patentably indistinct species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to be considered timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the elected species or grouping of patentably indistinct species.

Should applicant traverse on the ground that the species, or groupings of patentably indistinct species from which election is required, are not patentably distinct,

Art Unit: 1744

applicant should submit evidence or identify such evidence now of record showing them to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the species unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

- 3. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND LEE whose telephone number is (571)272-1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571.272.1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1744

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.

EDMUND H. LEE Primary Examiner Art Unit 1744

EHL /EDMUND H. LEE/ Primary Examiner, Art Unit 1744

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Drysdale et al.

Application Serial No.: 13/158,416

Filing Date: June 11, 2011

For: Component Protective Overmolding

Examiner: LEE, Edmund H.

Group Art Unit: 1744

Confirmation No.: 9386

Date: June 27, 2013

Atty. Docket No.: ALI-001CIP1

#### **CERTIFICATE OF EFS-WEB TRANSMISSION**

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EFS-Web) to the USPTO on June 27, 2013.

Signed:

Amiee H. Shin

# PROVISIONAL ELECTION FOR

RESTRICTION REQUIREMENT UNDER 35 U.S.C. §121

The following provisional election is made in response to the Restriction Requirement under **35 U.S.C. §121** set forth in the Office Action mailed **May 23, 2013**.

# **AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims:**

# 1. – 27. (Cancelled)

28. (Previously presented) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework; and

molding a first protective layer over the framework the one or more elements, and the protective material, after the protective material has been selectively applied, the first protective layer being configured to cover the framework and each of the one or more elements, and molding a second protective layer over the first protective layer when the first protective layer is molded over the framework, the first protective layer being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern, the second protective layer being removable if a defect is yielded during an inspection.

- 29. (Previously presented) The method of Claim 28, further comprising performing an inspection after molding the first protective layer and before molding the second protective layer.
- 30. (Previously presented) The method of Claim 28, further comprising performing an inspection after molding the second protective layer.

- 31. (Previously presented) The method of Claim 28, wherein the second protective layer is removed if an inspection after molding the second protective layer yields a defect in the second protective layer.
- 32. (Previously presented) The method of Claim 28, wherein the protective material comprises an ultra violet curable material.
- 33. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a polymer.
- 35. (Previously presented) The method of Claim 28, wherein the first protective layer comprises an elastomer.
- 36. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic elastomer.

### 37. (Withdrawn) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework; and

forming a first protective layer substantially over the framework, the one or more elements, and the protective material, after the protective material has been selectively applied, and forming a second protective layer substantially over the first protective layer, the second protective layer being formed substantially simultaneously with the forming of the first protective layer, the first protective layer being configured to protect the framework and to provide a cosmetic surface, the second protective layer being removable if a defect is yielded during an inspection.

- 38. (**Withdrawn**) The method of Claim 37, wherein the protective material comprises a metal housing configured to cover at least one of the one or more elements.
- 39. (**Withdrawn**) The method of Claim 37, wherein the protective material comprises an epoxy.
- 40. (**Withdrawn**) The method of Claim 37, wherein the protective material comprises an ultra violet curable material configured to prevent damage to the one or more elements when the first protective layer or the second protective layer are formed.
- 41. (**Withdrawn**) The method of Claim 37, wherein the one or more elements comprises a structure configured to use electrical power from a battery to generate a vibration.
- 42. **(Withdrawn)** The method of Claim 37, wherein the one or more elements comprises a printed circuit board assembly.
- 43. (**Withdrawn**) The method of Claim 37, wherein the one or more elements comprises a memory configured to store data.
- 44. (**Withdrawn**) The method of Claim 37, wherein the one or more elements comprises a processor.
- 45. (Withdrawn) A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework; and

forming a molding substantially over the framework, the one or more elements coupled to the framework, and the protective material, an outer surface of the molding being configured to receive a cosmetic design.

### 46. (Withdrawn) A method, comprising:

selectively applying a protective material substantially over one or more elements coupled to a framework;

forming an inner molding substantially over the framework, the inner molding being formed substantially simultaneously when selectively applying the protective material over the one or more elements, the one or more elements coupled to the framework, and the protective material, the inner molding being formed after the protective material has been selectively applied; and

forming an outer molding substantially over the inner molding, the outer molding being formed substantially simultaneously when selectively applying the protective material over the one or more elements and forming the inner molding, the outer molding being configured to protect the framework and to provide a surface configured to receive a pattern, the outer molding being removable if a defect is found during an inspection performed after the outer molding is formed.

- 47. (**Withdrawn**) The method of Claim 46, wherein the framework comprises a metal.
- 48. (**Withdrawn**) The method of Claim 46, wherein the framework comprises an alloy.
- 49. **(Withdrawn)** The method of Claim 46, wherein at least one of the one or more elements is an accelerometer.

- 50. (**Withdrawn**) The method of Claim 46, wherein at least one of the one or more elements is an analog audio plug.
- 51. (**Withdrawn**) The method of Claim 50, wherein the analog audio plug is a TRRS.
- 52. (**Withdrawn**) The method of Claim 46, further comprising forming another outer molding if the defect is found in the outer molding, the another outer molding being formed after the outer molding is removed.
- 53. (**Withdrawn**) The method of Claim 46, wherein the outer molding is configured to be impermeable.
- 54. (**Withdrawn**) The method of Claim 46, wherein the second protective material is configured to receive a pattern formed on an outer surface of the second protective material.

Attorney Docket No. ALI-001CIP1 Application No. 13/158,416

### **REMARKS**

The status of the claims is as follows: Claims 1 – 27 stand Cancelled; Claims 28 – 54 are Pending; and Claims 37 – 54 are Withdrawn.

## **Election Without Traverse**

a. The Applicant hereby Elects Without Traverse, species (a)
 encompassing method Claims 28 – 36, for examination on the merits.

**b.** Non-elected species **(b) – (d)** encompassing method **Claims 37 – 54**, are hereby **Withdrawn** from consideration without prejudice or disclaimer .

Applicants reserve the right to pursue the **Withdrawn** subject matter and other subject matter supported by the specification by filing a divisional or continuation application drawn to the desired subject matter. Furthermore, the scope of the claimed subject matter is broader than may be depicted in the figures corresponding to the Applicants' election. Upon allowance of a generic claim, Applicants reserve the right to add claims written in dependent form or that otherwise include all limitations of the allowed generic claim.

If the Examiner believes it would be appropriate to discuss the issues to further the prosecution in this case, he is invited to call the undersigned.

Respectfully submitted,

Trueman H. Denny, III

Reg. No. 44,652

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301-2447 Tel: (650) 566-9917

Fax: (650) 566-9922

Atty. Docket No.: ALI-001CIP1 Serial No.: 13/158,416

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Examiner: LEE, Edmund H.

Drysdale et al.

Confirmation No.: 9386

Application Serial No.: 13/158,416

Group Art Unit: 1744

Filing Date: June 11, 2011

Transmission Date: June 27, 2013

For: COMPONENT PROTECTIVE

**OVERMOLDING** 

Atty. Docket No.: ALI-001CIP1

Certificate of Transmission

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office (USPTO) electronic filing system (EFS-Web) to the USPTO on

June 27, 2013.

Signed:

Amiee H. Shin

# WRITTEN ASSERTION FOR NOTIFICATION OF ENTITLEMENT TO SMALL ENTITY STATUS UNDER 37 CFR § 1.27(c)(1)

Dear Sir or Madam:

In accordance with 37 CFR  $\S$  1.27(c)(1), Applicant is submitting this written assertion for notification of entitlement to small entity status in the above-referenced patent application. This written assertion is intended to notify the Office of Applicant's entitlement to small entity status.

Please contact the undersigned representative below if you have any questions or require any additional information.

Respectfully submitted,

Trueman H. Denny, III Reg. No. 44,652

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301

Tel.: (650) 566-9917 Fax: (650) 566-9922

Electronic Patent Application Fee Transmittal						
Application Number:	13	158416				
Filing Date:	11-	Jun-2011				
Title of Invention:	co	MPONENT PROTEC	TIVE OVERMOI	.DING		
First Named Inventor/Applicant Name:	Richard Lee Drysdale					
Filer:	Tru	ieman Homer Denn	y/Kate Clelanc	I		
Attorney Docket Number:	ALI-001CIP1					
Filed as Small 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 - 1 month with \$0 paid		2251	1	100	100	

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
	Total in USD (\$)			100

Electronic Acknowledgement Receipt					
EFS ID:	16180348				
Application Number:	13158416				
International Application Number:					
Confirmation Number:	9386				
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING				
First Named Inventor/Applicant Name:	Richard Lee Drysdale				
Customer Number:	15516				
Filer:	Trueman Homer Denny				
Filer Authorized By:					
Attorney Docket Number:	ALI-001CIP1				
Receipt Date:	27-JUN-2013				
Filing Date:	11-JUN-2011				
Time Stamp:	21:15:51				
Application Type:	Utility under 35 USC 111(a)				

# Payment information:

Submitted wi	th Payment	no				
File Listin	g:					
Document Number	Document Description		File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1			-001 CIP1_Response_to_Rest ction_Requirement_asfiled. pdf	9dee25927c15d8fc944c1a9389f97a6f2b02	yes	8

	Multipart Description/PDF files in .zip description						
	Document D	Start	End				
	Response to Election	1		7			
	Assertion of entitlement	8	8				
Warnings:							
Information:							
2	Fee Worksheet (SB06)	fee-info.pdf	30142	no	2		
	, ,		9c2997aa47a034e99df1c88b5bc39b4f0d0a 800e				
Warnings:							
Information:							
		Total Files Size (in bytes)	9	4576			

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.

#### **New Applications Under 35 U.S.C. 111**

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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.

Electronic Patent Application Fee Transmittal						
Application Number:	13158416					
Filing Date:	11-	-Jun-2011				
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING					
First Named Inventor/Applicant Name:	Richard Lee Drysdale					
Filer:	Trueman Homer Denny					
Attorney Docket Number:	ALI-001CIP1					
Filed as Small 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 - 1 month with \$0 paid		2251	1	100	100	

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
	Tot	al in USD	(\$)	100

Electronic Ack	knowledgement Receipt
EFS ID:	16180915
Application Number:	13158416
International Application Number:	
Confirmation Number:	9386
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING
First Named Inventor/Applicant Name:	Richard Lee Drysdale
Customer Number:	15516
Filer:	Trueman Homer Denny
Filer Authorized By:	
Attorney Docket Number:	ALI-001CIP1
Receipt Date:	27-JUN-2013
Filing Date:	11-JUN-2011
Time Stamp:	23:47:27
Application Type:	Utility under 35 USC 111(a)

# **Payment information:**

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$100
RAM confirmation Number	8488
Deposit Account	
Authorized User	

# File Listing:

Document	Document Description	File Name	File Size(Bytes)/	Multi	Pages
Number	Document Description	riie Name	Message Digest	Part /.zip	(if appl.)

1	Fee Worksheet (SB06)	fee-info.pdf	30050 2995dddc03388cf350e2f65ea874d49c0384 a28b	no	2	
Warnings:						
Information:						
		Total Files Size (in bytes):	3	0050		

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.

#### New Applications Under 35 U.S.C. 111

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#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				n or Docket Number 8/158,416	Filing Date 06/11/2011	To be Mailed			
	ENTITY:   LARGE   SMALL   MICRO								
	APPLICATION AS FILED – PART I								
			(Column 1	)	(Column 2)				
	FOR		NUMBER FIL	.ED	NUMBER EXTRA		RATE (\$)	F	FEE (\$)
	BASIC FEE (37 CFR 1.16(a), (b),	or (c))	N/A		N/A		N/A		
Ш	SEARCH FEE (37 CFR 1.16(k), (i), (	or (m))	N/A		N/A		N/A		
	EXAMINATION FE (37 CFR 1.16(o), (p),		N/A		N/A		N/A		
	TAL CLAIMS CFR 1.16(i))		mir	us 20 = *			X \$ =		
	EPENDENT CLAIM CFR 1.16(h))	S	m	nus 3 = *			X \$ =		
	APPLICATION SIZE (37 CFR 1.16(s))	FEE of fo	paper, the a	application size f /) for each additi	gs exceed 100 s ee due is \$310 ( onal 50 sheets c . 41(a)(1)(G) and	\$155 or			
	MULTIPLE DEPEN	DENT CLAIM	PRESENT (3	7 CFR 1.16(j))					
* If	the difference in colu	ımn 1 is less th	an zero, ente	r "0" in column 2.			TOTAL		
		(Column 1)		APPLICAT (Column 2)	ION AS AMEN		ART II		
AMENDMENT	06/27/2013	CLAIMS REMAINING AFTER AMENDMEN		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITI	ONAL FEE (\$)
ME	Total (37 CFR 1.16(i))	* 27	Minus	** 27	= 0		x \$80 =		0
H	Independent (37 CFR 1.16(h))	* 4	Minus	***4	= 0		x \$420 =		0
AM	Application Si	ze Fee (37 CF	R 1.16(s))						
	FIRST PRESEN	ITATION OF MUI	LTIPLE DEPEN	DENT CLAIM (37 CFF	국 1.16(j))				
							TOTAL ADD'L FEI	E	0
		(Column 1)	r	(Column 2)	(Column 3	)			
		CLAIMS REMAINING AFTER AMENDMEN		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITIO	ONAL FEE (\$)
EN T	Total (37 CFR 1.16(i))	*	Minus	**	=		X \$ =		
ENDM	Independent (37 CFR 1.16(h))	*	Minus	***	=		X \$ =		
	Application Size Fee (37 CFR 1.16(s))								
AM	FIRST PRESEN	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEI	E	
** If ***	the entry in column of the "Highest Numbe If the "Highest Numb "Highest Number P	er Previously P er Previously F	aid For" IN TH Paid For" IN T	IIS SPACE is less HIS SPACE is less	than 20, enter "20" s than 3, enter "3".		LIE /WANDA MITO		

This collection of information is required by 37 CFR 1.16. 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, 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.** 

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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.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/158,416	158,416 06/11/2011 Richard Lee Drysdale		ALI-001CIP1	9386
15516 Kokka & Back	7590 10/10/201 us. PC	3	EXAM	IINER
703 High Stree Palo Alto, CA	t		LEE, EDI	MUND H
raio Aito, CA	74301		ART UNIT	PAPER NUMBER
			1744	
			MAIL DATE	DELIVERY MODE
			10/10/2013	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.

	Application No.	Applicant(s	;)				
0" 4" 0	13/158,416	DRYSDALE	ET AL.				
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with	the corresponder	nce address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICA 36(a). In no event, however, may a rep will apply and will expire SIX (6) MONTH cause the application to become ABAN	ATION.  ly be timely filed  IS from the mailing date of NDONED (35 U.S.C. § 1)	of this communication.				
Status							
1) Responsive to communication(s) filed on 6/27/  A declaration(s)/affidavit(s) under 37 CFR 1.1.  2a) This action is FINAL. 2b) This  3) An election was made by the applicant in responsition requirement and election  4) Since this application is in condition for allowant closed in accordance with the practice under E	<b>30(b)</b> was/were filed on action is non-final. onse to a restriction requirer have been incorporated int nce except for formal matter	ment set forth duri o this action. s, prosecution as	to the merits is				
Disposition of Claims							
5) Claim(s) 28-54 is/are pending in the application 5a) Of the above claim(s) 37-54 is/are withdraw 6) Claim(s) is/are allowed. 7) Claim(s) 28-36 is/are rejected. 8) Claim(s) are subjected to. 9) Claim(s) are subject to restriction and/or * If any claims have been determined allowable, you may be eliparticipating intellectual property office for the corresponding aphttp://www.uspto.gov/patents/init_events/pph/index.jsp or send  Application Papers 10) The specification is objected to by the Examiner 11) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the ore Replacement drawing sheet(s) including the corrections.	n from consideration.  relection requirement.  igible to benefit from the Paten  polication. For more information  an inquiry to PPHfeedback@u  r.  epted or b) □ objected to by  drawing(s) be held in abeyance	n, please see aspto.gov. the Examiner. e. See 37 CFR 1.88	5(a).				
Priority under 35 U.S.C. § 119  12) 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 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)  2) ☑ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/29/12.	3) ☐ Interview Sur Paper No(s)// 4) ☐ Other:	Mail Date					

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-13)

Art Unit: 1744

#### **DETAILED ACTION**

1. The present application is being examined under the pre-AIA first to invent provisions.

- Claims 37-54 are withdrawn from further consideration pursuant to 37 CFR
   1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 6/27/13.
- 2. Applicant's election without traverse of claims 28-36 in the reply filed on 6/27/13 is acknowledged.
- 3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422

Application/Control Number: 13/158,416

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F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

4. Claims 28-36 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-11 and 21-25 of copending Application No. 13/135728. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of Application No. 13/135728 fully encompass instant claims 28-36.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

5. Claims 28-36 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-10,12-17, and 19-27 of copending Application No. 13/158372. Although the conflicting claims are not

Application/Control Number: 13/158,416

Art Unit: 1744

identical, they are not patentably distinct from each other because the claims of Application No. 13/158372 fully encompass instant claims 28-36.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Page 4

- 6. Claims 28-36 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-16 and 18-27 of U.S. Patent No. 8529811. Although the claims at issue are not identical, they are not patentably distinct from each other because the claims of USPN 8529811 fully encompass instant claims 28-36.
- 7. Claims 28-36 are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

The phrase "the second protective layer being removable if a defect is yielded during an inspection" (cl 28, lns 10-11) is indefinite because it is unclear whether or not an inspection is performed. If an inspection is performed, it should be positively and clearly recited as a step in the claim.

Correction is required.

8. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Art Unit: 1744

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

9. Claims 28, 34, and 35 are rejected under pre-AIA 35 U.S.C. 102b as being anticipated by Jensen et al (USPN 5998867). Jensen et al teach the claimed process as evidenced by col 2, In 48-col 3, In 65; and figures 2-2A.

Elements 44, 46, and 48 of Jensen et al constitute the claimed one or more elements and framework.

Buffer layer 52 constitutes the claimed protective material.

Loaded encapsulant 50 constitutes the claimed first protective layer.

Transfer molded plastic package 40 constitutes the claimed second protective layer.

In regard to the claimed second protective layer being removable, package 40 of Jensen et al is removable. Applicant is reminded claim 28 does not positively and clearly recite a step of inspecting and removing.

10. The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

<sup>(</sup>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 negatived by the manner in which the invention was made.

Application/Control Number: 13/158,416

Art Unit: 1744

11. Claims 29-33 and 36 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jensen et al (USPN 599867). The above teachings of Jensen et al are incorporated hereinafter. In regard to claims 29-31, such quality assurance measures are well-known in the molding art in order to ensure high quality products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to perform the claimed quality assurance measures in the process of Jensen et al in order to ensure the production of high quality products. In regard to claims 32-33 and 36, the use of a specific material is a mere obvious matter of choice dependent on the desired final product and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the claimed materials are well-known in encapsulant art in order to produce diverse, high-quality encapsulants. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the claimed materials in the process of Jensen et al in order to produce diverse products having desired qualities.

Page 6

- 12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following USPNs teach the state of the art: 3902148,5057457,4788583, and 6368899.
- 13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND LEE whose telephone number is (571)272-

Application/Control Number: 13/158,416 Page 7

Art Unit: 1744

1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-

4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Yogendra Gupta can be reached on 571.272.1316. 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

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EDMUND H. LEE Primary Examiner

Art Unit 1744

EHL

/EDMUND H. LEE/

Primary Examiner, Art Unit 1744

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#### Application/Control No. Applicant(s)/Patent Under Reexamination 13/158,416 DRYSDALE ET AL. Notice of References Cited Art Unit Examiner Page 1 of 1 **EDMUND LEE** 1744 **U.S. PATENT DOCUMENTS** Document Number Date Name Classification Country Code-Number-Kind Code MM-YYYY US-5,998,867 12-1999 Jensen et al. 257/729 US-3,902,148 08-1975 Drees et al. 257/669 В US-5,057,457 10-1991 Miyahara et al. 264/272.14 С D US-4,788,583 11-1988 Kawahara et al. 257/670 US-6,368,899 04-2002 Featherby et al. 438/127 Ε US-F US-G US-Н US-US-J US-Κ US-US-М FOREIGN PATENT DOCUMENTS Document Number Date Name Classification Country Country Code-Number-Kind Code MM-YYYY Ν 0 Ρ Q R s Т NON-PATENT DOCUMENTS Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) U

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.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

**Notice of References Cited** 

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	***************************************			U. S. PATENT	DOCUMENTS		
	Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 of Accessio</sup>	Publication Date MM-D0-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
			<sup>US-</sup> 8049614	09-23-2010	Kahn et al.		
			<sup>US-</sup> 7987070	09-17-2009	Kahn et al.		
	•••••		<sup>US-</sup> 8040382	07-09-2009	Kahn et al.		
[			<sup>US-</sup> 7647196	02-12-2009	Kahn et al.		
			<sup>US</sup> - 7917768	07-24-2008	Kahn et al.		
			<sup>US-</sup> 7705723	10-04-2007	Kahn et al.		
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	Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	₹6
	PCT/US04/26187	02-24-2005	Teller et al.		
	PCT/US01/20014	01-03-2002	Teller et al.		
	PCT/US02/24552	02-20-2003	Teller et al.		
	PCT/US05/09476	10-06-2005	Teller et al.		
	PCT/US09/06234	06-10-2010	Teller et al.		
	PCT/US03/26261	03-04-2004	Teller et al.		

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				U. S. PATENT	DOCUMENTS		İ
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			<sup>US-</sup> 7153262	04-03-2003	Stivoric et al.		
			<sup>US-</sup> 7261690	02-14-2002	Teller et al.		
			<sup>US-</sup> 7285090	08-05-2004	Stivoric et al.		
			<sup>US-</sup> 7502643	05-26-2005	Farringdon et al.		
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			US- 7959567	11-06-2008	Stivoric et al.		
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		PCT/US08/54312	08-21-2008	Stivoric et al.				
		PCT/US02/09972	10-10-2002	Stivoric et al.				
		PCT/US01/40958	12-20-2001	Teller et al.				
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				U. S. PATENT	PATENT DOCUMENTS				
	Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
			Number-Kind Code <sup>2 of Access</sup> US- D631552	-	Kasahach et al		-		
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			<sup>US-</sup> 12684881	07-14-2011	Kahn et al.				
			<sup>US-</sup> 12472361	12-02-2010	Kahn et al.				
			<sup>US-</sup> 12247950	04-08-2010	Kahn et al.				
			<sup>US-</sup> 12202206	03-04-2010	Kahn et al.				
			<sup>US-</sup> 12469633	11-26-2009	Kahn et al.				
			<sup>US-</sup> 12113110	11-05-2009	Kahn et al.				
			<sup>US-</sup> 11871151	04-16-2009	Kahn et al.				
			<sup>US-</sup> 12490304	12-24-2009	Kahn et al.				
			<sup>US-</sup> 11582896	05-03-2007	Stivorio et al.				
			<sup>US-</sup> 10638588	02-19-2004	Teller et al.				
			<sup>US-</sup> 10682293	07-08-2004	Teller et al.				
			<sup>US-</sup> 10940214	05-26-2005	Pacione et al.				

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		U. S. PATENT		
Cite No.1	Document Number  Number-Kind Code 2 of Annuals	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	<sup>US-</sup> 11088002	11-03-2005	Stivoric et al.	
	<sup>US-</sup> 11239748	11-23-2006	Stivoric et al.	
	<sup>US-</sup> 11322010	06-08-2006	Teller et al.	
	<sup>US-</sup> 11434949	10-05-2006	Teller et al.	
	<sup>US-</sup> 11481147	02-15-2007	Stivoric et al.	
	<sup>US-</sup> 11724373	07-26-2007	Teller et al.	
	<sup>US-</sup> 11925906	07-31-2008	Teller et al.	
	<sup>US-</sup> 11925965	07-17-2008	Stivoric et al.	
	<sup>US-</sup> 11928039	07-10-2008	Stivoric et al.	
	<sup>US-</sup> 11928302	07-31-2008	Farringdon et al.	
	<sup>US-</sup> 11930036	07-10-2008	Teller et al.	
	<sup>US-</sup> 11930053	07-10-2008	Teller et al.	
	<sup>US-</sup> 11930081	07-03-2008	Teller et al.	
	<sup>US-</sup> 11930091	07-03-2008	Teller et al.	
	US- 11930092	07-17-2008	Teller et al.	
	<sup>∪s.</sup> 11930094	07-17-2008	Teller et al.	
	<sup>US-</sup> 12033728	01-01-2009	Stivoric et al.	
	<sup>US-</sup> 12033722	01-01-2009	Stivoric et al.	
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			U. S. PATENT	DOCUMENTS		į
Exami Initials		Document Number  Number-Kind Code <sup>2 of According</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Retevant Passages or Relevant Figures Appear	
		US- 12033737	12-25-2008	Stivoric et al.		
		<sup>US-</sup> 12033741	12-25-2008	Stivoric et al.		
		<sup>US-</sup> 12033746	12-25-2008	Stivoric et al.		
		<sup>US-</sup> 12033751	12-25-2008	Stivoric et al.		į
		<sup>US-</sup> 12033753	12-25-2008	Stivoric et al.		
		<sup>US-</sup> 12033760	12-25-2008	Stivoric et al.		į
		<sup>US-</sup> 12033766	12-25-2008	Stivoric et al.		ĺ
		<sup>US-</sup> 12217299	07-09-2009	Stivoric et al.		
		<sup>US-</sup> 12840109	11-11-2010	Farringdon et al.		ĺ
		<sup>US-</sup> 10682293	07-08-2004	Teller et al.		į
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Complete if Known Substitute for form 1449/PTO Application Number 13/158,416 Filing Date 6-11-2011 INFORMATION DISCLOSURE First Named Inventor Richard Lee Drysdale STATEMENT BY APPLICANT Art Unit 1742 (Use as many sheets as necessary) Examiner Name Unassigned ALI-001CIP1 Attomey Docket Number Sheet 6

				U. S. PATENT	DOCUMENTS		
	Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
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			<sup>US</sup> -11925902	05-07-2009	Teller et al.		
			<sup>US-</sup> 11925903	07-31-2008	Teller et al.		
			<sup>US-</sup> 11925908	07-17-2008	Teller et al.		
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			US- 11930405	07-24-2008	Teller et al.		
			<sup>US-</sup> 11928059	09-04-2008	Stivoric et al.		
			<sup>US-</sup> 11928027	07-03-2008	Stivoric et al.		
			<sup>US-</sup> 11928051	07-10-2008	Stivoric et al.		
			<sup>US-</sup> 11930100	07-17-2008	Teller et al.		į
			<sup>US-</sup> 11930048	07-10-2008	Teller et al.		
			<sup>US-</sup> 11930101	07-10-2008	Teller et al.		
			<sup>US-</sup> 11927365	11-20-2008	Stívoric et al.		
			<sup>US-</sup> 11927276	11-20-2008	Stivoric et al.		į
			US- 8047966	09-03-2009	Dorogusker et al.		
			<sup>∪s.</sup> 8083643	04-28-2011	Carl Ng et al.		
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Examiner	Date	
Signature	Considered	

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Substitute for form 1449/PTO	Con	nplete if Known
	Application Number	13/158,416
INFORMATION DISCLOSURE	Filing Date	6-11-2011
	First Named Inventor	Richard Lee Drysdale
STATEMENT BY APPLICANT	Art Unit	1742
(Use as many sheets as necessary)	Examiner Name	Unassigned
Sheet 7 of 9	Attorney Docket Number	ALI-001CIP1

				U. S. PATENT	DOCUMENTS		
	Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 of Annexed</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
			<sup>US-</sup> 13182352	01-05-2012	Nazarian et al.		
			<sup>US-</sup> 7993276	04-20-2006	Nazarian et al.		
			<sup>US-</sup> 12560069	08-26-2010	Nadkami et al.		
			<sup>US-</sup> 12621099	09-30-2010	Nadkami et al.		
			<sup>US-</sup> 12823280	01-06-2011	Bentley et al.		
			<sup>US-</sup> 12883304	03-17-2011	Jangle et al.		
			<sup>US-</sup> 12891108	03-17-2011	Jangle et at.		
			<sup>US-</sup> 13204658	11-24-2011	Jangle et at.		
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			<sup>US-</sup> 12730194	09-23-2010	Ram David Adva Fish		
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**U. S. PATENT DOCUMENTS** Cite Examiner Document Number Publication Date Name of Patentee or Initiate? MM-DD-YYYY Applicant of Cited Document ant Passages or Relevant -Kind Code<sup>2 of knowl)</sup> Figures Appear Numê US- 7400900 Jones, Martin Kelly <sup>US-</sup> 6904359 Jones, Martin Kelly US- 6486801 Jones, Martin Kelly <sup>US-</sup> 13405241 Rahman et al. US- 13158372 Fullam et al. US- 13135728 Drysdale et al <sup>US-</sup> 61495995 Drysdale et al <sup>US-</sup> 13180320 Rahman et al US- 61495994 Drysdale et al <sup>US-</sup> 13181512 Rahman et US- 61495997 Drysdala let al US- 61495996 Drysg lie et al US. 61511541 ery Miao <sup>US-</sup> 13247975 ashittal et al US- 13180000 ahman et al. US- 61507091 gan et al. US- 61572204 US- 61572206 Rahman i <sup>US-</sup> 13181495 Rahman et a

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		Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>3</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>o</sup>
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Substitute for form 1449/PTO	Con	nplete if Known
	Application Number	13/158,416
INFORMATION DISCLOSURE	Filing Date	6-11-2011
	First Named Inventor	Richard Lee Drysdale
STATEMENT BY APPLICANT	Art Unit	1742
(Use as many sheets as necessary)	Examiner Name	Unassigned
Sheet 9 of 9	Attorney Docket Number	ALI-001CIP1

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			<sup>US-</sup> 13405240	02-25-2012	Drysdale et al.			
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	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear					
		Country Code <sup>3</sup> Number <sup>3</sup> Kind Code <sup>5</sup> (# known)	MM-DD-YYYY	``	Or Relevant Figures Appear	Tº				
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Examiner	/F 1 11 /	Date	
Signature	/Edmund Lee/	Considered	08/28/2013
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.usgto.gov">www.usgto.gov</a> or MPEP 901.04. Senter Office that issued the document, by the two-latter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CPR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the

This collection of information is required by 37 UPH 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to tell (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 2 hours 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, 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 (1-800-786-9199) and select option 2.



Application/Control No.	Applicant(s)/Patent under Reexamination			
13/158,416	DRYSDALE ET	AL.		
Examiner	Art Unit			
EDMUND LEE	1744			

SEARCHED							
Class	Subclass	Date	Examiner				

INTERFERENCE SEARCHED								
Class Subclass		Examiner						

SEARCH NOTES (INCLUDING SEARCH STRATEGY)					
	DATE	EXMR			
east	10/7/2013	EHL			
inventor					
264/255					
related cases: 13/427839,13135728,13158372					

U.S. Patent and Trademark Office

Part of Paper No. 20131007



# UNITED STATES PATENT AND TRADEMARK OFFICE

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# **BIB DATA SHEET**

## **CONFIRMATION NO. 9386**

SERIAL NUM	BER	FILING or 371(c) DATE	CLASS	GROUP ART	ROUP ART UNIT		ATTORNEY DOCKET		
13/158,41	6	06/11/2011	264	1744	1744		1744		ALI-001CIP1
		RULE							
APPLICANTS Richard Lee Drysdale, Santa Cruz, CA; Scott Fullam, Palo Alto, CA; Skip Thomas Orvis, San Jose, CA; Nora Elam Levinson, Washington, DC;  *** CONTINUING DATA ************************** This application is a CIP of 13/158,372 06/10/2011  *** FOREIGN APPLICATIONS ************************************									
Foreign Priority claimed Yes No 35 USC 119(a-d) conditions met Yes No Verified and /EDMUND H LEE/ Acknowledged Examiner's Signature  STATE OR COUNTRY COUNTRY DRAWINGS CLAIMS CLAIMS CA 10 27 4									
ADDRESS Kokka &		, PC							
703 High Palo Alto UNITED S	, CA 94								
TITLE									
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BIB (Rev. 05/07).

# **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L8	24	("4812420").URPN.	USPAT	OR	ON	2013/10/03 13:42
L9	17	("6254815").URPN.	USPAT	OR	ON	2013/10/03 13:52
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L13	2	("3762039"   "4250347").PN.	US- PGPUB; USPAT;	OR	ON	2013/10/03 13:59

			USOCR		***************************************	
L14	20	("5057457").URPN.	USPAT	OR	ON	2013/10/03 13:59
L15	2	("3762039"   "4250347").P <b>N</b> .	US- PGPUB; USPAT; USOCR	OR	ON	2013/10/03 14:06
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L17	29	("5989940").URPN.	USPAT	OR	ON	2013/10/03 14:07
L18	1	("3622419").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/10/03 14:08
L19	65	("3622419").URPN.	USPAT	OR	ON	2013/10/03 14:09
L20	5	("3622419"   "4849803"   "4994659"   "5200601"   "5898215").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/10/03 14:10
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L22	12	("4639826"   "4717948"   "5021359"   "5153379"   "5159629"   "5166772"   "5220192"   "5324952"   "5371404"   "5406117"   "5436203"   "5635754").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2013/10/03 14:25
L23	39	("5998867").URPN.	USPAT	OR	ON	2013/10/03 14:26

10/3/2013 2:30:55 PM C:\ Users\ elee1\ Desktop\ default.wsp

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Drysdale et al.

Application Serial No.: 13/158,416

Filing Date: June 11, 2011

For: COMPONENT PROTECTIVE

**OVERMOLDING** 

Examiner: LEE, Edmund H.

Confirmation No.: 9386

Group Art Unit: 1744

Transmission Date: January 9, 2013

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EFS-Web) to the

USPTO on January 9, 2013.

#### **AMENDMENT A**

Dear Sir or Madam:

Please find enclosed a complete, updated claim listing and remarks in response to the Office Action mailed October 10, 2013.

#### **CLAIM LISTING**

Please amend claims 28-29 and 31 and cancel claims 30 and 37-54 as indicated below.

1-27. (Canceled)

28. (Currently amended) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework; [[and]]

molding a first protective layer over the framework the one or more elements, and the protective material, after the protective material has been selectively applied, the first protective layer being configured to cover the framework and each of the one or more elements, and molding a second protective layer over the first protective layer when the first protective layer is molded over the framework, the first protective layer being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern, the second protective layer being removable if a defect is yielded during an inspection; and

performing an inspection after molding the second protective layer, the second protective layer being configured to be removed if a defect is detected during the inspection, and the first protective layer being configured to be retained if the defect is detected during the inspection.

29. (Currently amended) The method of Claim 28, further comprising performing [[an]] another inspection after selectively applying the protective material molding the first protective layer and before molding the second protective layer.

30. (Canceled)

31. (Currently amended) The method of Claim 28, wherein the second protective layer is removed if [[an]] the inspection after molding the second protective layer yields [[a]] the defect in the second protective layer.

32. (Previously presented) The method of Claim 28, wherein the protective material comprises an ultra violet curable material.

- 33. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a polymer.
- 35. (Previously presented) The method of Claim 28, wherein the first protective layer comprises an elastomer.
- 36. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic elastomer.

37-54. (Canceled)

#### **REMARKS**

Claims 28-29 and 31 have been amended. Claims 30 and 37-54 has been canceled. Claims 28-29 and 31-36 remain pending.

The Examiner has provisionally rejected claims 28-36 on the ground of non-statutory obviousness-type double patenting as being patentable over claims 1-11 and 21-25 of co-pending Application No. 13/135,728. The Examiner has provisionally rejected claims 28-36 on the ground of non-statutory obviousness-type double patenting as being patentable over claims 1-10, 12-17 and 19-27 of co-pending Application No. 13/158,372. The Examiner has rejected claims 28-36 on the ground of non-statutory obviousness-type double patenting as being patentable over claims 1-16 and 18-27 of U.S. Patent No. 8,529,811. The Examiner has rejected claims 28-36 under 35 U.S.C. § 112 as being indefinite. The Examiner has rejected claims 28, 34 and 35 under 35 U.S.C. § 112(b) as being unpatentable over U.S. Patent No. 5,998,867 to Jensen et al. ("Jensen"). The Examiner has rejected claims 29-33 and 36 under 35 U.S.C. § 103 as being unpatentable over Jensen.

Regarding the double-patenting rejections, Applicants have submitted a timely filed terminal disclaimer with respect to Application No. 13/158,372. However, the instant application is the earlier filed application of Application No. 13/135,728 (filed July 12, 2011) and U.S. Patent No. 8,529,811 (filed March 22, 2012). A terminal disclaimer was filed on May 30, 2013 in U.S. Patent No. 8,529,811. Pursuant to MPEP § 804, "If a 'provisional' nonstatutory obviousness-type double patenting (ODP) rejection is the only rejection remaining in the earlier filed of the two pending applications, while the later-filed application is rejectable on other grounds, the examiner should withdraw that rejection and permit the earlier-filed application to

issue as a patent without a terminal disclaimer," and "If 'provisional' ODP rejections in two applications are the only rejections remaining in those applications, the examiner should withdraw the ODP rejection in the earlier filed application thereby permitting that application to issue without need of a terminal disclaimer." Therefore, Applicants believe that a terminal disclaimer is not required with respect to Application No. 13/135,728 and U.S. Patent No. 8,529,811.

The rejections are respectfully traversed. As amended, claim 28 recites "...performing an inspection after molding the second protective layer, the second protective layer being configured to be removed if a defect is detected during the inspection, and the first protective layer being configured to be retained if the defect is detected during the inspection..." Jensen does not describe, disclose, teach, suggest, or motivate "...performing an inspection after molding the second protective layer, the second protective layer being configured to be removed if a defect is detected during the inspection, and the first protective layer being configured to be retained if the defect is detected during the inspection...." Thus, Applicants submit that claim 28 is allowable for the reasons stated above.

Claims 29 and 31-36 depend from claim 28 and are believed to be allowable for the same reasons described above.

Reconsideration of the application and allowance of all claims are respectfully requested

based on the preceding remarks. If at any time the Examiner believes that an interview would be

helpful, please contact the undersigned.

Respectfully submitted,

DaisyL

Daisy S. Yau

Reg. No. 58,691

KOKKA & BACKUS, PC

703 High Street

Palo Alto, CA 94301-2447

Tel: (650) 566-9916 Fax: (650) 566-9922

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Drysdale et al.

Application No.: 13/158,416

Filed: June 11, 2011

For: COMPONENT PROTECTIVE

OVERMOLDING

Confirmation No.: 9386

Examiner: LEE, Edmund H.

Group Art Unit: 1744

Date: January 9, 2014

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF MAILING

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Signed: Kate M. Cleland

# TERMINAL DISCLAIMER UNDER 37 C.F.R. § 1.321 TO OBVIATE A PROVISIONAL OBVIOUSNESS-TYPE DOUBLE PATENTING REJECTION

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

The owner(s), AliphCom (Assignee), of the entire interest in the above-identified application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the above-identified application (hereafter "instant application"), which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 and 173 of any patent granted on pending reference Application Number 13/158,372, filed on June 10, 2011 (hereafter "reference patent application"), as the term of any patent granted on said reference patent application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the reference patent application. The owner(s) hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent granted on the reference

patent application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the above-identified application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of any patent(s) granted on said reference patent application, as the term of any patent(s) granted on said reference patent application may be shortened by any terminal disclaimer filed prior to the grant of any patent(s) on the pending reference application, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued or is in any matter terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

We hereby submit the amount of \$160.00 to cover the statutory disclaimer fees for small entity. If any questions arise regarding this statutory disclaimer, please contact the undersigned attorney or agent of record.

Respectfully submitted,

Daisy S. Yau Reg. No. 58,691

Dausyd

Date: January 9, 2014

Kokka & Backus, PC 703 High Street Palo Alto, CA 94301 Tel: (650) 566-9916

Tel: (650) 566-9916 Fax: (650) 566-9922

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Examiner: LEE, Edmund H.

Drysdale et al.

Confirmation No.: 9386

Application Serial No.: 13/158,416

Group Art Unit: 1744

Filing Date: June 11, 2011

Transmission Date: January 9, 2014

For: COMPONENT PROTECTIVE

**OVERMOLDING** 

Atty. Docket No.: ALI-001CIP1

CERTIFICATE OF TRANSMISSION

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USPTO on January 9, 2014.

### WRITTEN ASSERTION FOR NOTIFICATION OF LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS UNDER 37 CFR § 1.27(g)(2)

Dear Sir or Madam:

In accordance with 37 CFR § 1.27(g)(2) and MPEP § 509.03, Applicant is submitting this Written Assertion for Notification of Loss of Entitlement to Small Entity Status in the above-referenced patent application. This written assertion is intended to notify the Office of the loss of entitlement to small entity status. Please contact the undersigned representative below if you have any questions or require any additional information.

Respectfully submitted,

Reg. No. 58,691

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301-2447 Tel: (650) 566-9916

Fax: (650) 566-9922

Electronic Patent Application Fee Transmittal							
Application Number:	13158416						
Filing Date:	11-	Jun-2011					
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING						
First Named Inventor/Applicant Name:	Richard Lee Drysdale						
Filer:	Da	isy S. Yau/Kate Clela	and				
Attorney Docket Number:	AL	-001CIP1					
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:							

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Statutory or Terminal Disclaimer	1814	1	160	160
	Tot	al in USD	(\$)	160

Electronic Acknowledgement Receipt				
EFS ID:	17873223			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Daisy S. Yau			
Filer Authorized By:				
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	09-JAN-2014			
Filing Date:	11-JUN-2011			
Time Stamp:	21:13:11			
Application Type:	Utility under 35 USC 111(a)			

# Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$160
RAM confirmation Number	7962
Deposit Account	
Authorized User	

# File Listing:

Document	Document Description	File Name	File Size(Bytes)/	Multi	Pages
Number	Document Description	riie Name	Message Digest	Part /.zip	(if appl.)

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1		ALI-001CIP1_Amendment_A_a	229936	yes	9
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Amendment/Req. Reconsideration-After Non-Final Reject			1		5
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Warnings:					
Information:					
		Total Files Size (in bytes)	259	9965	

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.

#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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.

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P	PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875				n or Docket Number /158,416	Filing Date 06/11/2011	To be Mailed		
	ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO								
				APPLICA	ATION AS FIL	ED – PAR	ΤI		
			(Column 1	)	(Column 2)				
	FOR		NUMBER FIL	ED	NUMBER EXTRA		RATE (\$)	F	FEE (\$)
	BASIC FEE (37 CFR 1.16(a), (b),	or (c))	N/A		N/A		N/A		
	SEARCH FEE (37 CFR 1.16(k), (i), (	or (m))	N/A		N/A		N/A		
	EXAMINATION FE (37 CFR 1.16(o), (p),		N/A		N/A		N/A		
	TAL CLAIMS CFR 1.16(i))		min	us 20 = *			X \$ =		
	EPENDENT CLAIM CFR 1.16(h))	IS	mi	nus 3 = *			X \$ =		
	APPLICATION SIZE (37 CFR 1.16(s))	FEE f	of paper, the a for small entity	ation and drawing application size f y) for each additi f. See 35 U.S.C	ee due is \$310 ( onal 50 sheets o	\$155 or			
	MULTIPLE DEPEN	IDENT CLAIM	M PRESENT (37	7 CFR 1.16(j))					
* If	the difference in colu	umn 1 is less	than zero, enter	r "0" in column 2.			TOTAL		
		(Column	1)	APPLICAT	ION AS AMEN		ART II		
LN	01/09/2014	CLAIMS REMAININ AFTER AMENDME		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITIO	ONAL FEE (\$)
AMENDMENT	Total (37 CFR 1.16(i))	* 8	Minus	** 27	= 0		x \$40 =		0
Z N	Independent (37 CFR 1.16(h))	* 1	Minus	***4	= 0		× \$210=		0
AM	Application Si	ize Fee (37 C	FR 1.16(s))						
	FIRST PRESEN	NTATION OF M	IULTIPLE DEPENI	DENT CLAIM (37 CFF	R 1.16(j))				
							TOTAL ADD'L FEI		0
		(Column	1)	(Column 2)	(Column 3	)			
		CLAIMS REMAININ AFTER AMENDME	NG I	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITIO	ONAL FEE (\$)
ENT	Total (37 CFR 1.16(i))	*	Minus	**	=		X \$ =		
ENDME	Independent (37 CFR 1.16(h))	*	Minus	***	=		X \$ =		
NEN	Application Si	ize Fee (37 C	FR 1.16(s))					1	
AM	FIRST PRESEN	NTATION OF M	IULTIPLE DEPENI	DENT CLAIM (37 CFF	R 1.16(j))				
							TOTAL ADD'L FEI		
** If ***	the entry in column the "Highest Numbe If the "Highest Numb "Highest Number P	er Previously oer Previously	Paid For" IN TH / Paid For" IN TI	IIS SPACE is less HIS SPACE is less	than 20, enter "20' than 3, enter "3".		LIE /NICOLE LAW		

This collection of information is required by 37 CFR 1.16. 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, 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.

Application Number	Re		pplicant(s)/Patent under eexamination RYSDALE ET AL.		
Document Code - DISQ		Internal Document – DO NOT MAIL			
TERMINAL DISCLAIMER	⊠ APPROV	ED	☐ DISAPP	ROVED	
Date Filed : 01-09-2014	This patent is subject to a Terminal Disclaimer				
Approved/Disapproved by:					
rethea Lawrence					

U.S. 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.	FILING DATE	FILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.	
13/158,416	158,416 06/11/2011 Richard Lee Drysdale		ALI-001CIP1	9386	
15516 Kokka & Backt	7590 04/30/201 us. PC	4	EXAM	IINER	
703 High Street Palo Alto, CA 94301			LEE, EDMUND H		
			ART UNIT	PAPER NUMBER	
			1744		
			MAIL DATE	DELIVERY MODE	
			04/30/2014	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.

	Application No. 13/158,416	Applicant(s) DRYSDALE ET AL.				
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No			
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 MONTHS 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 1/9/1.  A declaration(s)/affidavit(s) under 37 CFR 1.1.	<del></del>					
2a) ☐ This action is <b>FINAL</b> . 2b) ☐ This	action is non-final.					
3) An election was made by the applicant in respo	onse to a restriction requirement s	set forth duri	ng the interview on			
; the restriction requirement and election						
4) Since this application is in condition for allowan closed in accordance with the practice under E			to the merits is			
Disposition of Claims*	,					
5)⊠ Claim(s) <u>28,29 and 31-36</u> is/are pending in the	application.					
5a) Of the above claim(s) is/are withdraw						
6) Claim(s) is/are allowed.						
7) Claim(s) 28,29 and 31-36 is/are rejected.						
8) Claim(s) is/are objected to.						
9) Claim(s) are subject to restriction and/or	election requirement.					
$^{\star}$ If any claims have been determined <u>allowable</u> , you may be eli	gible to benefit from the Patent Pros	ecution High	ıway program at a			
participating intellectual property office for the corresponding ap	plication. For more information, plea	ıse see				
http://www.uspto.gov/patents/init_events/pph/index.jsp or send	an inquiry to PPHfeedback@uspto.c	<u>10V</u> .				
Application Papers						
10) ☐ The specification is objected to by the Examine	۲.					
11) The drawing(s) filed on is/are: a) acce	$\Rightarrow$ pted or b) $\square$ objected to by the E	Examiner.				
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	37 CFR 1.85	(a).			
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See	37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119						
12) 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 document						
2. Certified copies of the priority document						
3. Copies of the certified copies of the prio	-	ed in this Na	tional 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.						
occurs attached detailed office action for a list of the certified copies flot received.						
Attachment(s)						
1) Notice of References Cited (PTO-892)	3) Interview Summary					
2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date  Paper No(s)/Mail Date  Other:						

U.S. Patent and Trademark Office PTOL-326 (Rev. 11-13) Application/Control Number: 13/158,416 Page 2

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#### **DETAILED ACTION**

The present application is being examined under the pre-AIA first to invent provisions.

- 1. The terminal disclaimer filed 1/9/14 has been approved.
- 2. The following is a quotation of pre-AIA 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 negatived by the manner in which the invention was made.
- 3. Claims 28-29 and 31-36 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jensen et al (USPN 599867) in view of Wurzbacher et al (USPN 7326305). In regard to claim 28, Jensen et al teach the claimed process (col 2, In 48-col 3, In 65; and figures 2-2A) except performing the claimed inspection after molding the second protective layer. Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of encapulant material removed is easily controlled without disturbing other adjacent or nearby areas (col 1, Ins 5-12; col 4, Ins 4-11; figs 1-2D). Since Jensen et al and Wurzbacher et al are analogous with respect to encapsulated semiconductors, it would have been obvious to one of ordinary skill in the art at the time

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Art Unit: 1744

the invention was made to incorporate the inspection step taught by Wurzbacher et al into the process of Jensen et al in order to ensure the production of functional products. It should be noted that the controlled decapsulation taught by Wurzbacher et al makes capable the removal of the second protective layer of Jensen et al while retaining the first protective layer. In regard to claims 34 and 35, such are taught by Jensen et al (col 2, In 48-col 3, In 65; and figures 2-2A). In regard to claims 29 and 31, such quality assurance measures are well-known in the molding art in order to ensure high quality products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to perform the claimed quality assurance measures in the process of Jensen et al (modified) in order to ensure the production of high quality products. In regard to claims 32-33 and 36, the use of a specific material is a mere obvious matter of choice dependent on the desired final product and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the claimed materials are well-known in encapsulant art in order to produce diverse, high-quality encapsulants. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the claimed materials in the process of Jensen et al in order to produce diverse products having desired qualities.

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4. Applicant's arguments with respect to claims 28-29 and 31-36 have been considered but are moot because the arguments do not apply to any of the references being used in the current rejection.

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5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following USPNs teach the state of the art: 3902148,5057457,4788583, and 6368899. The following USPNs teach decapsulation: 3625763,5252179,4384917,6368886,5766496,7125729,5959316,7666321, and 6387206. The following USPNs teach encapsulating semiconductors: 5057457,5959363, and 5379186.

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). 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 date of this final action.

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7. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to EDMUND LEE whose telephone number is (571)272-

1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-

4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Yogendra Gupta can be reached on 571.272.1316. 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.

EDMUND H. LEE Primary Examiner

Art Unit 1744

EHL

/EDMUND H. LEE/

Primary Examiner, Art Unit 1744

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#### Application/Control No. Applicant(s)/Patent Under Reexamination 13/158,416 DRYSDALE ET AL. Notice of References Cited Examiner Art Unit Page 1 of 2 EDMUND LEE 1744

### **U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	Α	US-5,057,457	10-1991	Miyahara et al.	264/272.14
*	В	US-5,959,363	09-1999	Yamada et al.	257/787
*	O	US-6,387,206	05-2002	Ghaemmaghami et al.	438/106
*	D	US-7,666,321	02-2010	Shih, Tung-Yi	216/13
*	Е	US-5,959,316	09-1999	Lowery, Christopher Haydn	257/98
*	F	US-7,125,729	10-2006	Burger et al.	438/4
*	G	US-5,766,496	06-1998	Martin, Kirk Alan	216/56
*	Н	US-6,368,886	04-2002	Van Broekhoven et al.	438/15
*	I	US-4,384,917	05-1983	Wensink, Ben L.	438/15
*	J	US-5,252,179	10-1993	Ellerson et al.	216/90
*	K	US-3,625,763	12-1971	Melillo, Manlio B.	134/38
*	L	US-6,379,988	04-2002	Peterson et al.	438/51
*	М	US-7,326,305	02-2008	Wurzbacher et al.	134/19

#### FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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### NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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\*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.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

**Notice of References Cited** 

Part of Paper No. 20140429

#### Application/Control No. Applicant(s)/Patent Under Reexamination 13/158,416 DRYSDALE ET AL. Notice of References Cited Examiner Art Unit Page 2 of 2 EDMUND LEE 1744 **U.S. PATENT DOCUMENTS**

	C.S. I ATENT BOCOMENTS						
*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification		
*	Α	US-5,379,186	01-1995	Gold et al.	361/706		
	В	US-					
	С	US-					
	D	US-					
	Е	US-					
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	К	US-					
	L	US-					
	М	US-					

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#### NON-PATENT DOCUMENTS

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U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

**Notice of References Cited** 

Part of Paper No. 20140429

<sup>\*</sup>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
L1	2	(("8529811") or ("5998867")).PN.	USPAT	OR	OFF	2014/04/25 12:54
L2	1549	(semiconductor\$1 chip\$1) same (encapsulant\$1 encapsulat\$3) same inspect\$3	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/25 13:20
L3	32	(semiconductor\$1 chip\$1) same (encapsulant\$1 encapsulat\$3) same (inspect\$3 near15 (remov\$3 disgard\$3))	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/25 13:20
L4	30	("3084076"   "3112554"   "3489608"   "3625763"   "3947952"   "3969813"   "3990462"   "4089704"   "4359360"   "4366925"   "4384917"   "4392617"   "4604644"   "4682615"   "4826556"   "5121190"   "5252179"   "5371404"   "5385869"   "5395482"   "5629566"   "5766496"   "5896875"   "5939139"   "6200387"   "6732911"   "7022244").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/25 13:54
L5	34	("1884164"   "1884633"   "1884765"   "1884766"   "1938714"   "2371644"   "2507984"   "2563417"   "2999815"   "2999816"   "2999817"   "3085116"   "3338756"   "3340199"   "3400077"   "3432347"   "3455835").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/25 14:07
L6	18	("3625763").URPN.	USPAT	OR	ON	2014/04/25 14:08
L7	105	("5629566").URPN.	USPAT	OR	ON	2014/04/25 14:09

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# **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	(semiconductor\$1 chip\$1) same (inspect\$3 near15 (decapsulat\$3 de-encapsulat\$3))	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/28 11:30
<u>L2</u>	50	("20020046855"   "20050028361"   "20050140026"   "20060134901"   "20060201910"   "20070020815"   "3969813"   "4043080"   "4063542"   "4089704"   "4213698"   "4344809"   "4344969"   "4359360"   "4384917"   "4474621"   "4718535"   "4822441"   "4826556"   "4992135"   "5193314"   "5223083"   "5252179"   "5271798"   "5291693"   "5424254"   "5443675"   "5479108"   "5585675"   "5611876"   "5641987"   "5703493"   "5750423"   "5766496"   "5783098"   "5792305"   "5855727"   "5861662"   "5880523"   "5891257"   "5915370"   "5932061"   "5964646"   "6033933"   "6055976"   "6358852"   "6429028"   "6709888"   "7071012"   "7172977").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/28 11:58
L3	10	("3969813"   "4012832"   "5424254"   "5436202"   "5696033"   "5700697"   "6054012"   "6335629"   "6358852"   "6368886").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/28 12:02
L4	38	("5424254"   "6358852"   "6368886").URPN.	USPAT	OR	ON	2014/04/28 12:07
L5	19	("20020025600"   "20020049511"   "20030131932"   "20050199521"   "5281798"   "5326709"   "5424254"   "5446961"   "5616524"   "5966633"   "6379988"   "6448095"   "6518664"   "6528892"   "6565720"   "6649832"   "6759259"   "6809332"   "6878900").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/28 12:11
L6	8	("5471087"   "5773323"   "5855727"   "5863810"   "5897338"   "5932061"   "6069392"   "6136212").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/28 12:36
L7	12	("3778685"   "4649418"   "4881885"   "4942140"   "5036024"   "5045918"   "5057457"   "5200367"   "5331205"   "5379186"   "5534725"   "5585600").PN.	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/28 12:40
L8	79	("5057457"   "5379186").URPN.	USPAT	OR	ON	2014/04/28 12:45
L9	5	("3787684"   "5379186"   "5561329"   "5593721"   "5813753").PN.	US- PGPUB;	OR	ON	2014/04/28 12:51

			USPAT; USOCR			
L10	2	("7125729").URPN.	USPAT	OR	ON	2014/04/28 12:51
L11	10	("6429028").URPN.	USPAT	OR	ON	2014/04/28 12:52
L12	1	("6387206").URPN.	USPAT	OR	ON	2014/04/28 12:52
L13	10	("6329212").URPN.	USPAT	OR	ON	2014/04/28 12:52
L14	1 :	("5424254"   "6358852"   "6368886").URPN.	USPAT	OR	ON	2014/04/28 12:55
L15	43	("5424254"   "6429028").URPN.	USPAT	OR	ON	2014/04/28 12:55
L16	0	("7666321").URPN.	USPAT	OR	ON	2014/04/28 12:56

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Application/Control No.	Applicant(s)/Patent under Reexamination		
13/158,416	DRYSDALE ET	AL.	
Examiner	Art Unit		
EDMUND LEE	1744		

SEARCHED								
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Class	Subclass	Date	Examiner					

INTERFERENCE SEARCHED					
Class	Subclass	Date	Examiner		

SEARCH NOTES (INCLUDING SEARCH STRATEGY)									
DATE EXMR									
updated	4/29/2014	EHL							

U.S. Patent and Trademark Office

Part of Paper No. 20140429

# **EAST Search History**

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("5998867"). <b>PN</b> .	USPAT	OR	OFF	2014/04/22 13:04
L2	3321	((removing peeling) near10 (layer\$1)) near10 (defective damaged)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/22 14:01
L3	32	2 same inspect\$3	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/22 14:03
L4	1351	264/272.17.ccls.	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/22 14:14
L5	70	4 and inspect\$3	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/22 14:15
L6	18	4 and inspect\$3 same (remov\$3 peel\$3 disgard\$3)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2014/04/22 14:16
L7	56	("20020068873"   "20040167409"   "5974262"   "6254815"   "6356940"   "6486801"   "6527711"   "6595929"   "6605038"   "6714859"   "6904359"   "6952645"   "7020508"   "7030781"   "7060216"   "7153262"   "7261690"   "7285090"   "7343260"   "7400970"   "7457719"   "7502643"   "7647195"   "7647196"   "7653508"   "7662065"   "7689437"   "7690556"   "7705723"   "7747735"   "7753861"   "7788059"   "7800044"   "7839279"   "7841967"   "7849184"   "7881902"   "7907901"   "7917768"   "7959567"   "7970586"	US- PGPUB; USPAT; USOCR	OR	ON	2014/04/22 14:30

	"7982770"   "7987070"   "7993276"		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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Doc code: RCEX Doc description: Request for Continued Examination (RCE)

Request for Continued Examination (RCE)

Represent for Continued Examination (RCE)

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL (Submitted Only via EFS-Web)									
Application Number	13/158,416	Filing Date	2011-06-11	Docket Number (if applicable)	ALI-001CIP1	Art Unit	1744		
First Named Inventor	I Richard Lee Drysdale								
This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.  Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV									
	SUBMISSION REQUIRED UNDER 37 CFR 1.114								
in which they	were filed unless a	applicant ins		f applicant does not wi	nents enclosed with the RCE wi sh to have any previously filed (				
	y submitted. If a fir on even if this box			i, any amendments file	d after the final Office action ma	ay be con	sidered as a		
<u> </u>	nsider the argume	ents in the A	ppeal Brief or Rep	ly Brief previously filed	on				
Ott	ner 								
⊠ An	nendment/Reply								
Info	ormation Disclosu	re Statemer	nt (IDS)						
Aff	idavit(s)/ Declarati	on(s)							
Ct Ot	her 								
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				s requested under 37 ( nder 37 CFR 1.17(i) red	CFR 1.103(c) for all period of me quired)	onths			
Other									
				FEES					
The Dire	The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.  The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No								
	5	SIGNATUR	RE OF APPLICAN	NT, ATTORNEY, OF	R AGENT REQUIRED				
□ Patent	Practitioner Signa	ature							
Applic	ant Signature								

Doc code: RCEX
PTO/SB/30EFS (97-09)
Doc description: Request for Continued Examination (RCE)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OM8 control number.

Signature of Registered U.S. Patent Practitioner							
Signature	Shelm Kemen Paris	Date (YYYY-MM-DD)	2014-07-30				
Name	Shaham Kameron Parvin	Registration Number	60044				

This collection of information is required by 37 CFR 1.114. 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 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, VA 22313-1450.

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

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Drysdale et al.

Application Serial No.: 13/158,416

Filing Date: June 11, 2011

For: COMPONENT PROTECTIVE

**OVERMOLDING** 

Examiner: LEE, Edmund H.

Confirmation No.: 9386

Group Art Unit: 1744

Transmission Date: July 30, 2014

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF TRANSMISSION

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EFS-Web) to the

USPTO on July 30, 2014.

Signed:

## **AMENDMENT B**

Dear Sir or Madam:

Please find enclosed a complete, updated claim listing and remarks in response to the Office Action mailed April 30, 2014.

## INTERVIEW SUMMARY UNDER 37 CFR §1.133 AND MPEP §713.04

A telephonic interview in the above-referenced case was conducted on July 29, 2014, between Examiner Lee and the Applicants' undersigned representative. The Office Action mailed on April 30, 2014 was discussed. Specifically, the rejections of claims 28-29 and 31-36 under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,998,867 to Jensen et al. in view of U.S. Patent No. 7,326,305 to Wurzbacher et al. and the proposed amendments set forth herein were discussed with the intent to place the claims in better condition for allowance or appeal. The Applicants wish to thank the Examiner for his time and attention in this case.

## **CLAIM LISTING**

Please amend Claim 28-29, cancel Claim 31, and add Claims 55-60, as indicated below. Claims 28-29, 32-36, and 55-60 remain pending.

1-27. (Canceled)

28. (Currently Amended) A method, comprising:

selectively applying protective material substantially over one or more elements coupled to a framework;

molding a first protective layer over the framework, the one or more elements, and the protective material, after the protective material has been selectively applied, the first protective layer being configured to cover the framework and each of the one or more elements [[, and]];

molding a second protective layer over the first protective layer when the first protective layer is molded over the framework, the first protective layer being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern; [[and]]

performing an inspection after molding the second protective layer, the second protective layer being configured to be removed if a defect is detected during the inspection, and the first protective layer being configured to be retained if the defect is detected during the inspection:

selectively removing the second protective layer; and

remolding the second protective layer over the first protective layer to form a remolded second protective layer.

- 29. (Currently Amended) The method of Claim 28, further comprising performing <u>an</u> initial another inspection after selectively applying the protective material.
- 30. (Canceled).
- 31. (Canceled).

32. (Previously presented) The method of Claim 28, wherein the protective material comprises an ultra violet curable material.

- 33. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a polymer.
- 35. (Previously presented) The method of Claim 28, wherein the first protective layer comprises an elastomer.
- 36. (Previously presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic elastomer.

#### 37-54. (Canceled)

- 55. (New) The method of Claim 28, further comprising forming a pattern on the cosmetic surface of the remolded second protective layer.
- 56. (New) The method of Claim 55, wherein the pattern comprises at least one of a miniature hill, a miniature valley, and a texture.
- 57. (New) The method of Claim 28, wherein selectively removing the second protective layer comprises removing substantially all of the second protective layer.
- 58. (New) The method of Claim 28, wherein selectively removing the second protective layer comprises removing a sprue.
- 59. (New) The method of Claim 28, wherein the second protective layer comprises at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an elastomer.

60. (New) The method of Claim 59, wherein the first protective layer comprises at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an elastomer.

<u>REMARKS</u>

Claims 28-29 have been amended to clarify the subject matter regarded as the invention.

Claim 31 has been canceled. Claims 55-60 have been added. Claims 1-27, 30, and 37-54 were

previously cancelled. Claims 28-29, 32-36, and 55-60 remain pending.

The Examiner has rejected claims 28-29 and 31-36 under pre-AIA 35 U.S.C. §103(a) as

being unpatentable over U.S. Patent No. 5,998,867 to Jensen et al. in view of U.S. Patent No.

7,326,305 to Wurzbacher et al.

The rejections are respectfully traversed. As amended, claim 28 recites "...selectively

removing the second protective layer; and remolding the second protective layer over the first

protective layer...," which neither Jensen et al. nor Wurzbacher et al. disclose, teach, suggest, or

motivate. Thus, Applicants submit that claim 28 is allowable for the reasons stated above.

Claims 29, 32-36, and 55-60 depend from claim 28, and are believed to be allowable for the

same reasons.

Reconsideration of the application and allowance of all claims are respectfully requested

based on the preceding remarks. If at any time the Examiner believes that an interview would be

helpful, please contact the undersigned.

Respectfully submitted,

Mahan Kamen Tanis

Shaham Kameron Parvin

Reg. No. 60,044

KOKKA & BACKUS, PC 703 High Street

Palo Alto, CA 94301-2447 Tel: (650) 587-0194

Fax: (650) 566-9922

6

Electronic Patent Application Fee Transmittal								
Application Number:	13	158416						
Filing Date:	11-	11-Jun-2011						
Title of Invention:	cc	COMPONENT PROTECTIVE OVERMOLDING						
First Named Inventor/Applicant Name:	Ric	hard Lee Drysdale						
Filer:	Sh	aham Kameron Parv	vin/Mark Clelar	nd				
Attorney Docket Number:	AL	-001CIP1						
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:								

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for Continued Examination	1801	1	1200	1200
	Tot	1200		

Electronic Acl	Electronic Acknowledgement Receipt						
EFS ID:	19726499						
Application Number:	13158416						
International Application Number:							
Confirmation Number:	9386						
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING						
First Named Inventor/Applicant Name:	Richard Lee Drysdale						
Customer Number:	15516						
Filer:	Shaham Kameron Parvin						
Filer Authorized By:							
Attorney Docket Number:	ALI-001CIP1						
Receipt Date:	30-JUL-2014						
Filing Date:	11-JUN-2011						
Time Stamp:	16:29:19						
Application Type:	Utility under 35 USC 111(a)						

# Payment information:

Submitted wi	th Payment		no			
File Listin	g:					
Document Number	Document Description		File Name	Multi Part /.zip	Pages (if appl.)	
1		ALI	-001 CIP1_Amendment_B_a	187550	yes	8
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	Request for Continued	1		2						
	Amendment Submitted/Ente	3		8						
Warnings:										
Information:										
2	Fee Worksheet (SB06)	fee-info.pdf	30257	no	2					
	(Caral)		4d02ad6f02bdf74f9489b04d1a67d7ace0e d0ef7							
Warnings:										
Information:										
		Total Files Size (in bytes)	21	17807						

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#### **New Applications Under 35 U.S.C. 111**

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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.

Electronic Patent Application Fee Transmittal							
Application Number:	13	158416					
Filing Date:	11-	11-Jun-2011					
Title of Invention:	со	COMPONENT PROTECTIVE OVERMOLDING					
First Named Inventor/Applicant Name:	Richard Lee Drysdale						
Filer:	Sh	aham Kameron Parv	vin				
Attorney Docket Number:	AL	I-001CIP1					
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:							

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Request for Continued Examination	1801	1	1200	1200
	Tot	1200		

Electronic Acknowledgement Receipt				
EFS ID:	19732052			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Shaham Kameron Parvin			
Filer Authorized By:				
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	30-JUL-2014			
Filing Date:	11-JUN-2011			
Time Stamp:	17:14:11			
Application Type:	Utility under 35 USC 111(a)			

# **Payment information:**

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$1200
RAM confirmation Number	3689
Deposit Account	
Authorized User	

# File Listing:

Document	Document Description	File Name	File Size(Bytes)/	Multi	Pages
Number	Document Description	riie Name	Message Digest	Part /.zip	(if appl.)

1	Fee Worksheet (SB06)	fee-info.pdf	30167	no	2
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Warnings:					
Information:					
		Total Files Size (in bytes):	3	0167	

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#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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.

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P	ATENT APPL		FEE DETI for Form P		RECORD		n or Docket Number 3/158,416	Filing Date 06/11/2011	To be Mailed
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			(Column 1	)	(Column 2)				
	FOR		NUMBER FIL	.ED	NUMBER EXTRA		RATE (\$)	F	FEE (\$)
	BASIC FEE (37 CFR 1.16(a), (b),	or (c))	N/A		N/A		N/A		
Ш	SEARCH FEE (37 CFR 1.16(k), (i), (	or (m))	N/A		N/A		N/A		
	EXAMINATION FE (37 CFR 1.16(o), (p),		N/A		N/A		N/A		
	TAL CLAIMS CFR 1.16(i))		min	us 20 = *			X \$ =		
	EPENDENT CLAIM CFR 1.16(h))	S	mi	nus 3 = *			X \$ =		
	APPLICATION SIZE (37 CFR 1.16(s))	FEE of for	f paper, the a or small entity	application size f /) for each additi	gs exceed 100 s ee due is \$310 ( onal 50 sheets c . 41(a)(1)(G) and	\$155 or			
	MULTIPLE DEPEN	IDENT CLAIM	PRESENT (3	7 CFR 1.16(j))					
* If	the difference in colu	ımn 1 is less tl	nan zero, ente	r "0" in column 2.			TOTAL		
		(Column 1	)	APPLICAT (Column 2)	ION AS AMEN		ART II		
AMENDMENT	07/30/2014	CLAIMS REMAINING AFTER AMENDMEN		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITIO	ONAL FEE (\$)
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	Independent (37 CFR 1.16(h))	* 1	Minus	***4	= 0		x \$420 =		0
AM	Application Si	ze Fee (37 CF	R 1.16(s))						
	FIRST PRESEN	ITATION OF MU	ILTIPLE DEPEN	DENT CLAIM (37 CFF	R 1.16(j))				
							TOTAL ADD'L FEI		0
		(Column 1	)	(Column 2)	(Column 3	)			
		CLAIMS REMAININ AFTER AMENDMEN		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EX	TRA	RATE (\$)	ADDITIO	ONAL FEE (\$)
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ENDM	Independent (37 CFR 1.16(h))	*	Minus	***	=		X \$ =		
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AM	FIRST PRESEN	ITATION OF MU	ILTIPLE DEPEN	DENT CLAIM (37 CFF	R 1.16(j))				
							TOTAL ADD'L FEI		
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This collection of information is required by 37 CFR 1.16. 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

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# 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.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/158,416	06/11/2011	Richard Lee Drysdale	ALI-001CIP1	9386
15516 Kokka & Back	7590 01/13/201	5	EXAM	IINER
703 High Stree Palo Alto, CA	t		LEE, EDI	MUND H
			ART UNIT	PAPER NUMBER
			1744	
			MAIL DATE	DELIVERY MODE
			01/13/2015	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.

	<b>Application No.</b> 13/158,416	Applicant(s DRYSDALE	
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orresponden	ce address
A SHORTENED STATUTORY PERIOD FOR REPLY THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed the mailing date on D (35 U.S.C. § 13	of this communication.
Status			
1) Responsive to communication(s) filed on <u>7/30/</u> A declaration(s)/affidavit(s) under <b>37 CFR 1.1</b>	30(b) was/were filed on action is non-final. onse to a restriction requirement and have been incorporated into this accept for formal matters, pro-	s action. osecution as	to the merits is
Disposition of Claims*			
5) Claim(s) 28,29,32-36 and 55-60 is/are pending 5a) Of the above claim(s) is/are withdraw 6) Claim(s) is/are allowed. 7) Claim(s) 28,29,32-36 and 55-60 is/are rejected 8) Claim(s) is/are objected to. 9) Claim(s) are subject to restriction and/or * If any claims have been determined allowable, you may be eliparticipating intellectual property office for the corresponding aphttp://www.uspto.gov/patents/init_events/pph/index.jsp or send  Application Papers 10) The specification is objected to by the Examined 11) The drawing(s) filed on is/are: a) access applicant may not request that any objection to the ore Replacement drawing sheet(s) including the corrections.	wn from consideration.  I.  r election requirement.  igible to benefit from the Patent Propoplication. For more information, plea an inquiry to PPHfeedback@uspto.c  r.  epted or b) □ objected to by the Indrawing(s) be held in abeyance. See	ase see gov. Examiner. e 37 CFR 1.85	5(a).
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign Certified copies:  a) All b) Some** c) None of the:  1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureau ** See the attached detailed Office action for a list of the certified	ts have been received. ts have been received in Applicat rity documents have been receiv u (PCT Rule 17.2(a)).	tion No	
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SPaper No(s)/Mail Date	3)  Interview Summary Paper No(s)/Mail Da 4)  Other:		

U.S. Patent and Trademark Office PTOL-326 (Rev. 11-13) Application/Control Number: 13/158,416 Page 2

Art Unit: 1744

1. The present application is being examined under the pre-AIA first to invent provisions.

#### **DETAILED ACTION**

- 2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 7/30/14 has been entered.
- 3. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory obviousness-type double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422

Art Unit: 1744

F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

Page 3

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

4. Claims 28, 33-36, and 59-60 are provisionally rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-25 of copending Application No. 13/135728. Although the conflicting claims are not identical, they are not patentably distinct from each other because the claims of Application No. 13/135728 fully encompass instant claims 28, 33-36, and 59-60.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claims 28, 33-36, and 59-60 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 8 of USPN
 8529811. Although the conflicting claims are not identical, they are not patentably

Art Unit: 1744

distinct from each other because the claim 8 of USPN 8529811 fully encompasses instant claims 28, 33-36, and 59-60.

Page 4

6. Claims 28, 33-36, and 59-60 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1 and 14-15 of copending Application No. 13/942503. Although the claims at issue are not identical, they are not patentably distinct from each other because the claims of Application No. 13/942503 fully encompass instant claims 28, 33-36, and 59-60.

This is a <u>provisional</u> obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

7. Claims 28-29,32-36, and 55-60 are rejected under 35 U.S.C. 112(a) or 35 U.S.C. 112 (pre-AIA), first paragraph, because the specification, while being enabling for selectively removing a second protective layer if the second protective layer is found to be defective and then remolding the removed second protective layer, does not reasonably provide enablement for broadly selectively removing a second protective layer and then remolding the second protective layer. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention commensurate in scope with these claims. The claimed steps of selectively removing the second protective layer, and remolding the second protective layer (cl 28, lns 13-15) is much broader than what is supported by the instant specification. The instant specification supports only selectively removing a

Art Unit: 1744

second protective layer <u>if the second protective layer is found to be defective</u> and then remolding <u>the removed</u> second protective layer. Removing the second protective layer without first finding a defect in the second protective layer is not supported by the instant specification.

Page 5

- 8. The following is a quotation of pre-AIA 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 negatived by the manner in which the invention was made.
- 9. Claims 28-29, 32-36, and 55-60 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jensen et al (USPN 599867) in view of Wurzbacher et al (USPN 7326305). In regard to claim 28, Jensen et al teach the claimed process (col 2, In 48-col 3, In 65; and figures 2-2A) except performing the claimed inspection after molding the second protective layer; selectively removing the second protective layer; remolding the second protective layer. Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of encapulant material removed is easily controlled without disturbing other adjacent or nearby areas, and then remolding the removed material in order to provide an approved final product (col 1, Ins 5-12; col 4, Ins 4-11; figs 1-2D). Since Jensen et al and Wurzbacher et al are analogous with respect to encapsulated semiconductors, it would have been obvious to one of ordinary skill in the

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art at the time the invention was made to incorporate the inspection step taught by Wurzbacher et al into the process of Jensen et al in order to ensure the production of functional products. It should be noted that the controlled decapsulation taught by Wurzbacher et al makes capable the removal of the second protective layer of Jensen et al while retaining the first protective layer. In regard to claims 34 and 35, such are taught by Jensen et al (col 2, In 48-col 3, In 65; and figures 2-2A). In regard to claim 29, such quality assurance measures are well-known in the molding art in order to ensure high quality products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to perform the claimed quality assurance measures in the process of Jensen et al (modified) in order to ensure the production of high quality products. In regard to claims 32-33 and 36, the use of a specific material is a mere obvious matter of choice dependent on the desired final product and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the claimed materials are well-known in encapsulant art in order to produce diverse, high-quality encapsulants. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the claimed materials in the process of Jensen et al in order to produce diverse products having desired qualities. In regard to claims 55-56, such are well-known in the molding and electronic arts in order to form aesthetically appealing products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the claimed designs into the second protective layer of Jensen et al (modified) in order to form aesthetically appeal products. In regard to claims 57-58,

Page 6

Art Unit: 1744

such is taught by the above combination of Jensen et al and Wurzbacher et al since Wurzbacher et al teach removing any undesired portions of the encapsulant. In regard to claims 59-60, such is taught by Jensen et al (col 2, ln 48-col 3, ln 65; and figures 2-2A).

Page 7

- 10. Applicant's arguments filed 7/30/14 have been fully considered but they are not persuasive. Without any reason, applicant merely argues that the prior art of record does not teach the claimed invention. As apparent from the above rejections, the claimed invention is not obvious over the prior art. It should be mentioned that secondary reference Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of encapulant material removed is easily controlled without disturbing other adjacent or nearby areas, and then remolding the removed material in order to provide an approved final product (col 1, lns 5-12; col 4, lns 4-11; figs 1-2D).
- 11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND LEE whose telephone number is (571)272-1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571.272.1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 13/158,416 Page 8

Art Unit: 1744

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.

EDMUND H. LEE Primary Examiner Art Unit 1744

EHL /EDMUND LEE/ Primary Examiner, Art Unit 1744



Application/Control No.	Applicant(s)/Patent under Reexamination		
13/158,416	DRYSDALE ET AL.		
Examiner	Art Unit		
EDMIND LEE	1744		

SEARCHED					
Class	Subclass	Date	Examiner		

INTERFERENCE SEARCHED						
Subclass	Date	Examiner				

SEARCH NOT (INCLUDING SEARCH	ES STRATEGY	)
	DATE	EXMR
updated	1/12/2015	EHL

U.S. Patent and Trademark Office

Part of Paper No. 20150112



# 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

**BIB DATA SHEET** 

#### **CONFIRMATION NO. 9386**

SERIAL NUMBER	FILING or 37	` ′	CLASS 264				DRNEY DOCKET NO.		
13/158,416	06/11/2011		204	174	1744		ALI-001CIP1		
40011041170	RULE								
APPLICANTS									
Richard Lee D Scott Fullam, I Skip Thomas (	INVENTORS  Richard Lee Drysdale, Santa Cruz, CA; Scott Fullam, Palo Alto, CA; Skip Thomas Orvis, San Jose, CA; Nora Elam Levinson, Washington, DC;								
** CONTINUING DA This applicatio	<b>TA</b> ************************************		/2011						
** FOREIGN APPLI	CATIONS ********	******	**						
** <b>IF REQUIRED, FO</b> 06/22/2011	DREIGN FILING LI	CENSE GR	ANTED **						
Foreign Priority claimed	Yes No	∩ Metafter	STATE OR	SHEETS	тот		INDEPENDENT		
	ND H LEE/	Allowance	COUNTRY	DRAWINGS 10	CLAI		CLAIMS 4		
	er's Signature	Initials		10			<u> </u>		
ADDRESS									
Kokka & Backi 703 High Stree									
Palo Alto, CA	94301								
UNITED STAT	ES								
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JOHN SINENT			<u>·∽</u>		000		1		
	☐ All Fees ☐ 1.16 Fees (Filing)								
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	☐ Credit								

BIB (Rev. 05/07).

## **EAST Search History**

#### **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	(("5999867") or ("5998867") or ("7326305")).PN.	USPAT	OR	OFF	2015/01/07 13:54
L2	2	(("20110061150") or ("20110213225")).PN.	US-PGPUB; USPAT	OR	OFF	2015/01/07 14:34
L3	2	(("5998867") or ("7326305")).PN.	USPAT	OR	OFF	2015/01/07 14:37
L4	3	(("8529811") or ("5998867") or ("7326305")).PN.	USPAT	OR	OFF	2015/01/07 14:40
L5	1	("20120313296").PN.	US-PGPUB; USPAT	OR	OFF	2015/01/07 14:57
L6	1	("20120313272").PN.	US-PGPUB; USPAT	OR	OFF	2015/01/07 15:02
L7	1	("8529811").PN.	US-PGPUB; USPAT	OR	OFF	2015/01/07 15:13

1/7/2015 3:14:19 PM

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Electronic Patent Application Fee Transmittal					
Application Number:	13158416				
Filing Date:	11-	Jun-2011			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING				
First Named Inventor/Applicant Name:	Richard Lee Drysdale				
Filer:	Trueman Homer Denny/Scott Kokka				
Attorney Docket Number:	ALI-001CIP1				
Filed as Large Entity					
Filing Fees for Utility under 35 USC 111(a)					
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:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 1 month with \$0 paid	1251	1	200	200
Miscellaneous:				
Statutory or Terminal Disclaimer	1814	2	160	320
	Tot	al in USD	(\$)	520

Electronic Acknowledgement Receipt				
EFS ID:	22342320			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Trueman Homer Denny/Scott Kokka			
Filer Authorized By:	Trueman Homer Denny			
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	13-MAY-2015			
Filing Date:	11-JUN-2011			
Time Stamp:	21:12:22			
Application Type:	Utility under 35 USC 111(a)			

# **Payment information:**

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$520
RAM confirmation Number	7474
Deposit Account	
Authorized User	

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File	Listing:
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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Fee Worksheet (SB06)	fee-info.pdf	32271	no	2
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#### Information:

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#### New Applications Under 35 U.S.C. 111

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.

#### National Stage of an International Application under 35 U.S.C. 371

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.

#### New International Application Filed with the USPTO as a Receiving Office

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

In re Application of: Drysdale et al.

Application No.: 13/158,416

Filed: June 11, 2011

For: Component Protective

Overmolding

Confirmation No.: 9386

Examiner: LEE, Edmund H.

Group Art Unit: 1744

Date: May 13, 2015

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF EFS-WEB TRANSMISSION

I hereby certify that this correspondence is being transmitted to the United States Patent and Trademark Office via EFS Web on May 13, 2015.

Signed: 7. Ward

# TERMINAL DISCLAIMER UNDER 37 C.F.R. § 1.321(c) TO OBVIATE AN OBVIOUSNESS-TYPE DOUBLE PATENTING REJECTION

Dear Sir:

The owner, AliphCom (Assignee), of the entire interest in the above-identified application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the above-identified application (hereafter "instant application"), which would extend beyond the expiration date of the full statutory term, as defined in 35 U.S.C. §§ 154 and 173, of prior United States Patent No. 8,529,811 (hereafter "prior patent"), as presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term, as defined in **35 U.S.C. §§ 154** and **173**, of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later:

expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under **37 C.F.R. §1.321**, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

We hereby submit the amount of **\$160.00** to cover the statutory disclaimer fee for undiscounted entity. If any questions arise regarding this statutory disclaimer, please contact the undersigned attorney or agent of record.

Respectfully subpritted,

Date: **May 13, 2015** 

Trueman H. Denny III Reg. No. **44,652** 

Kokka & Backus, PC 703 High Street Palo Alto, CA 94301-2447

Tel: (650) 566-9917 Fax: (650) 566-9922

Electronic Patent Application Fee Transmittal						
Application Number:	13	13158416				
Filing Date:	11-	Jun-2011				
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING					
First Named Inventor/Applicant Name:	Richard Lee Drysdale					
Filer:	Trueman Homer Denny/Kate Cleland					
Attorney Docket Number:	ALI-001CIP1					
Filed as Large Entity						
Filing Fees for Utility under 35 USC 111(a)						
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Basic Filing:			•			
Pages:						
Claims:	Claims:					
Miscellaneous-Filing:						
Petition:						
Patent-Appeals-and-Interference:						
Post-Allowance-and-Post-Issuance:						
Extension-of-Time:						

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension - 1 month with \$0 paid	1251	1	200	200
Miscellaneous:				
Statutory or Terminal Disclaimer	1814	2	160	320
	Tot	al in USD	(\$)	520

Electronic Acknowledgement Receipt				
EFS ID:	22341239			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Trueman Homer Denny			
Filer Authorized By:				
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	13-MAY-2015			
Filing Date:	11-JUN-2011			
Time Stamp:	21:24:14			
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	Amendment/Req. Reconsideration-After Non-Final Reject	AL	l-001CIP1_Amendment_C_a sfiled.pdf	141568 5e9ff9046924f95e63e49807dcea1599fa01 d5dc	no	7
Warnings:						
Information:						

2		ALI-001 CIP1_Provisional_TD_as	110003	no	2
2	filed.pdf		5b1f5f08c6f121e8b1c2e66bda85299c94c8 2246		
Warnings:					
Information	•				
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4	ree worksneet (3600)	ree-ino.pui	bfe23f03e5f3d1106b412ac39771a25ad17d 99b8	no	2
Warnings:					-
Information	•				
		Total Files Size (in bytes)	3:	97330	

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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.

#### New International Application Filed with the USPTO as a Receiving Office

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

In re Application of: Drysdale et al.

Application No.: 13/158,416

Filed: June 11, 2011

For: Component Protective

Overmolding

Confirmation No.: 9386

Examiner: LEE, Edmund H.

Group Art Unit: 1744

Date: May 13, 2015

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF EFS-WEB TRANSMISSION

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EFS-Web) to the USPTO on May 13, 2015.

Signed: Keta M. Claland

# TERMINAL DISCLAIMER UNDER 37 C.F.R. §1.321 TO OBVIATE A PROVISIONAL OBVIOUSNESS-TYPE DOUBLE PATENTING REJECTION

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Dear Sir or Madam:

The owner(s), AliphCom (Assignee), of the entire interest in the above-identified application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the above-identified application (hereafter "instant application"), which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. §154 and §173 of any patent granted on pending reference Application Numbers 13/135,728, filed on July 12, 2011, and Number 13/942,503, filed on July 15, 2013 (hereafter "reference patent applications"), as the term of any patent granted on said reference patent applications may be shortened by any terminal disclaimer filed prior to the grant of any patent so granted on the instant application shall be enforceable only for and

during such period that it and any patent granted on the reference patent applications are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the above-identified application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. §154 and §173 of any patent(s) granted on said reference patent applications, as the term of any patent(s) granted on said reference patent applications may be shortened by any terminal disclaimer filed prior to the grant of any patent(s) on the pending reference applications, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 C.F.R. §1.321, has all claims canceled by a reexamination certificate, is reissued or is in any matter terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

We hereby submit the amount of **\$160.00** to cover the statutory disclaimer fees for undiscounted entity. If any questions arise regarding this statutory disclaimer, please contact the undersigned attorney or agent of record.

Respectfully submitted,

Trueman H. Denny III Reg. No. **44,652** 

Date: May 13, 2015

Kokka & Backus, PC 703 High Street Palo Alto, CA 94301 Tel: (650) 566-9917

Tel: (650) 566-9917 Fax: (650) 566-9922

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Drysdale et al**. Examiner: **LEE**, **Edmund H**.

Application Serial No.: 13/158,416 Confirmation No.: 9386

Filing Date: June 11, 2011 Group Art Unit: 1744

For: Component Protective Overmolding Transmission Date: May 13, 2015

Atty. Docket No.: ALI-001CIP1

#### **CERTIFICATE OF EFS-WEB TRANSMISSION**

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EFS-Web) to the USPTO on May 13, 2015.

Signed: K. Caland

#### **AMENDMENT C**

Dear Sir or Madam:

Please find enclosed a complete, updated claim listing and remarks in response to the **Non-Final Office Action** mailed **January 13, 2015**.

Atty. Docket No.: ALI-001CIP1

Serial No.: 13/158,416

**AMENDMENTS TO THE CLAIMS:** This listing of claims will replace all prior versions, and listings, of claims in the application.

**LISTING OF CLAIMS:** 

1. - 27.(Cancelled)

28. (Currently Amended) A method, comprising:

selectively applying a protective material substantially over one or more

elements coupled to a framework of a data-capable strapband configured to be

worn;

molding a first protective layer over the framework, the one or more elements,

and the protective material, after the protective material has been selectively applied,

the first protective layer being configured to cover the framework and each of the one or

more elements:

molding a second protective layer an outer molding over the first protective

layer when the first protective layer is molded over the framework, the outer molding

configured to protect the first protective layer, the first protective layer being

configured to cover the framework and to provide a cosmetic surface configured to

receive a pattern;

performing an inspection after molding the second protective layer the outer

molding, the second protective layer outer molding being configured to be

removed if a defect is detected during the inspection, and the first protective layer being

configured to be retained if the defect is detected during the inspection;

selectively removing , when the defect is detected, the second protective

layer outer molding; and

2

remolding the second protective layer another outer molding over the first protective layer to form a remolded second protective layer outer molding.

- 29. (Previously Presented) The method of Claim 28, further comprising performing an initial inspection after selectively applying the protective material.
- 30. (Cancelled).
- 31. (Cancelled).
- 32. (Previously Presented) The method of Claim 28, wherein the protective material comprises an ultra violet curable material.
- 33. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a polymer.
- 35. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises an elastomer.
- 36. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic elastomer.
- 37. 54. (Cancelled)
- 55. (**Currently Amended**) The method of Claim 28, further comprising forming a pattern on the cosmetic surface of the remolded **second protective layer outer molding**.

56. (Previously Presented) The method of Claim 55, wherein the pattern comprises at least one of a miniature hill, a miniature valley, and a texture.

- 57. (**Currently Amended**) The method of Claim 28, wherein selectively removing the **second protective layer outer molding** comprises removing substantially all of the **second protective layer outer molding**.
- 58. (**Currently Amended**) The method of Claim 28, wherein selectively removing the **second protective layer outer molding** comprises removing a sprue.
- 59. (Currently Amended) The method of Claim 28, wherein the second protective layer outer molding comprises at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an elastomer.
- 60. (Previously Presented) The method of Claim 59, wherein the first protective layer comprises at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an elastomer.

#### **REMARKS**

The status of the claims is as follows: Claims 28, 29, 32 – 36, and 55 – 60 are Pending; and Claims 28, 55 and 57 – 59 have been Amended herein.

Support for the amendments can at least be found in the **Abstract**, the **Claims**, in **FIGS.1 – 9** of the **Drawings**, and in Paragraphs [0031] – [0038] of the **Detailed Description** of the present application as filed.

Claims 28, 33 - 36, and 59 - 60 are rejected on ground of Non-Statutory Obviousness-Type Double Patenting as being unpatentable over claims 1 - 25 of Co-Pending Application Serial No. 13/135,728.

Claims 28, 33 – 36, and 59 – 60 are rejected on ground of Non-Statutory

Obviousness-Type Double Patenting as being unpatentable over claim 8 of U.S. Patent

No. 8,529,811.

Claims 28, 33 – 36, and 59 – 60 are rejected on ground of Non-Statutory

Obviousness-Type Double Patenting as being unpatentable over claims 1 and 14 - 15

of Co-Pending Application Serial No. 13/942,503.

Claims 28, 29, 32 – 36, and 55 – 60 are rejected under 35 U.S.C. §112(a) or 35 U.S.C. §112(pre-AIA), first paragraph, for failing to satisfy the written description requirement.

Claims 28 – 29, 32 – 36, and 55 – 60 are rejected under pre-AIA 35 U.S.C. §103(a) as being unpatentable in view of the cited sections of U.S. Patent No. 5,998, 867 to *Jensen* and U.S. Patent No. 7,326,305 to *Wurzbacher*.

The rejections are respectfully traversed.

The rejection of Claims 28, 33 – 36, and 59 – 60 on grounds of Non-Statutory Obviousness-Type Double Patenting as being unpatentable over claims 1 – 25 of Co-Pending Application Serial No. 13/135,728 ought to now be withdrawn and Claims 28, 33 – 36, and 59 – 60 ought to now be allowed in view of the attached Terminal Disclaimer referencing Application Serial No. 13/135,728.

The rejection of **Claims 28**, **33** – **36**, and **59** – **60** on grounds of Non-Statutory Obviousness-Type Double Patenting as being unpatentable over claim 8 of U.S. Patent No. **8,529,811** ought to now be withdrawn and **Claims 28**, **33** – **36**, and **59** – **60** ought to now be allowed in view of the attached Terminal Disclaimer referencing U.S. Patent No. **8,529,811**.

The rejection of Claims 28, 33 – 36, and 59 – 60 on grounds of Non-Statutory Obviousness-Type Double Patenting as being unpatentable over claims 1 and 14 - 15 of Co-Pending Application Serial No. 13/942,503 ought to now be withdrawn and Claims 28, 33 – 36, and 59 – 60 60 ought to now be allowed in view of the attached Terminal Disclaimer referencing Application Serial No. 13/942,503.

The rejection of Claims 28, 29, 32 – 36, and 55 – 60 under 35 U.S.C. §112(a) or 35 U.S.C. §112(pre-AIA), first paragraph, for failing to satisfy the written description

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Serial No.: 13/158,416

requirement ought to now be withdrawn and Claims 28, 29, 32 - 36, and 55 - 60 ought

to now be allowed in view of the amendments herein to Claims 28, 55 and 57 - 59.

The rejection of Claims 28 – 29, 32 – 36, and 55 – 60 under pre-AIA 35 U.S.C.

§103(a) as being unpatentable in view of the cited sections of *Jensen* and *Wurzbacher* 

ought to now be withdrawn because each and every element of the claimed invention is

not disclosed, described, taught, suggested, motivated, or shown in the cited sections

Jensen and Wurzbacher, considered individually or in combination. Specifically, the

cited sections of Jensen and Wurzbacher do not disclose, teach, suggest, motivate or

show each and every element of independent Claim 28. Accordingly, independent

Claim 28 an its respective dependent claims 29, 32 – 36, and 55 – 60 are patentably

distinct, are not anticipated by and are non-obvious in view of the cited sections of

Jensen and Wurzbacher and Claims 28 - 29, 32 - 36, and 55 - 60 ought to now be

allowed.

Reconsideration of the application and allowance of all claims are respectfully

requested based on the preceding remarks. If at any time the Examiner believes that

an interview would be helpful, please contact the undersigned.

Respectfully submitted

Trưeman H. Denny III

Rea. No. 44.652

KOKKA & BACKUS, PC 703 High Street Palo Alto, CA 94301-2447

Tel: (650) 566-9917

Fax: (650) 566-9922

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P	PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875  Application or Docket Number 13/158,416  Filing Date 06/11/2011  To be Maik					To be Mailed			
	ENTITY: 🛛 LARGE 🗌 SMALL 🗌 MICRO								
					ATION AS FILE	D – PAR	ΤΙ		
			(Column 1	)	(Column 2)			_	
┡	FOR		NUMBER FIL	.ED	NUMBER EXTRA		RATE (\$)	F	FEE (\$)
빝	BASIC FEE (37 CFR 1.16(a), (b), (	or (c))	N/A		N/A		N/A		
Ш	SEARCH FEE (37 CFR 1.16(k), (i), c	or (m))	N/A		N/A		N/A		
	EXAMINATION FE (37 CFR 1.16(o), (p), o		N/A		N/A		N/A		
	TAL CLAIMS CFR 1.16(i))		min	us 20 = *			X \$ =		
IND	EPENDENT CLAIM	S	mi	inus 3 = *			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 \$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).								
Ш	MULTIPLE DEPEN		•						
* If	the difference in colu	ımn 1 is less th	an zero, ente	r "0" in column 2.			TOTAL		
	APPLICATION AS AMENDED – PART II  (Column 1) (Column 2) (Column 3)								
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This collection of information is required by 37 CFR 1.16. 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

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Application Number	R		Re	applicant(s)/Patent under Reexamination DRYSDALE ET AL.		
Document Code - DISQ	·	Internal	Doc	cument – DC	NOT MAIL	
TERMINAL DISCLAIMER	⊠ APPROVI	ΞD		□ DISAPPROVED		
Date Filed : 5/13/15	This patent is subject to a Terminal Disclaimer					
Approved/Disapproved by:						
ds both approved.						
wana Hixon						

U.S. Patent and Trademark Office

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3502102

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

## **CONVEYING PARTY DATA**

Name	Execution Date
ALIPHCOM	08/26/2015
MACGYVER ACQUISITION LLC	08/26/2015
ALIPH, INC.	08/26/2015
BODYMEDIA, INC.	08/26/2015
PROJECT PARIS ACQUISITION LLC	08/26/2015

#### **RECEIVING PARTY DATA**

Name:	BLACKROCK ADVISORS, LLC
Street Address: 1 UNIVERSITY SQUARE DRIVE	
Internal Address:	C/O GLOBAL ALLOCATION GROUP
City:	PRINCETON
State/Country:	NEW JERSEY
Postal Code:	08540

#### **PROPERTY NUMBERS Total: 604**

Property Type	Number
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Application Number:	29479055
Application Number:	29479058
Application Number:	29479060
Application Number:	29479064
Application Number:	29479066
Application Number:	29479069
Application Number:	29479071
Application Number:	29479074
Application Number:	29479077
Application Number:	29479078
Application Number:	29479079
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Application Number:	29482852
Application Number:	29482854
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Application Number:	29482856
Application Number:	29485103
Application Number:	29485118
Application Number:	29495368
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Application Number:	29495373
Application Number:	29495376
Application Number:	29495380
Application Number:	29495384
Application Number:	29495387
Application Number:	29495389
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Application Number:	29495397
Application Number:	29495399
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Application Number:	29495404
Application Number:	29495405
Application Number:	29495406
Application Number:	29495407

Property Type	Number
Application Number:	29495669
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Application Number:	29495674
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Application Number:	29508184
Application Number:	29508185
Application Number:	29508187
Application Number:	29508193
Application Number:	29508196
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Application Number:	29508207
Application Number:	29516012
Application Number:	29516014
Application Number:	29516015
Application Number:	29516016
Application Number:	29516017
Application Number:	29517054
Application Number:	29517056

### **CORRESPONDENCE DATA**

**Fax Number:** (617)235-9802

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:** 6179517860

**Email:** ronald.duvernay@ropesgray.com

Correspondent Name: JOSHUA S. JACKSON

Address Line 1: PRUDENTIAL TOWER, 800 BOYLSTON STREET

Address Line 2: ROPES & GRAY LLP

Address Line 4: BOSTON, MASSACHUSETTS 02199-3600

ATTORNEY DOCKET NUMBER:	MFOG-652
NAME OF SUBMITTER:	JOSHUA S. JACKSON
SIGNATURE:	/j jackson/
DATE SIGNED:	08/27/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 32** 

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#### AMENDED AND RESTATED PATENT SECURITY AGREEMENT

THIS AMENDED AND RESTATED PATENT SECURITY AGREEMENT (as it may be amended, restated or otherwise modified from time to time, the "Patent Security Agreement") is entered into as of August 26, 2015 by and among (i) AliphCom, a California corporation (the "Company"), MacGyver Acquisition LLC, a Delaware limited liability company, Aliph, Inc., a Delaware Corporation, BodyMedia, Inc., a Delaware corporation, and Project Paris Acquisition LLC, a Delaware limited liability company (each, a "Grantor", and collectively, the "Grantors"), and (ii) BlackRock Advisors, LLC, a Delaware limited liability company (the "Agent").

#### WITNESSETH:

WHEREAS, each of the Grantors, the Purchasers identified therein and the Agent are entering into the Note Purchase Agreement, dated as of April 28, 2015, as amended by the First Amendment to Note Purchase Agreement; Omnibus Amendment to Secured Convertible Promissory Notes and Limited Consent, dated as of July 22, 2015 (as amended, restated, supplemented, or otherwise modified from time to time, the "Existing Note Purchase Agreement"), pursuant to which the Company issued certain secured convertible promissory notes (the "Notes") and the other Grantors agreed to Guarantee the Obligations;

WHEREAS, each of the Grantors and the Agent entered into the original Security Agreement, dated as of April 28, 2015 (as amended, restated, supplemented, or otherwise modified from time to time, the "Original Security Agreement"), in order to induce the Purchasers to purchase the Notes and to secure the Secured Obligations; and

WHEREAS, pursuant to the Original Security Agreement, each of the Grantors is required to execute and deliver to Agent the original Patent Security Agreement, dated as of April 28, 2015 (the "Original Patent Security Agreement");

WHEREAS, each of the Grantors, the Purchasers identified therein and the Agent entered into the Note Purchase Agreement, dated as of July 21, 2015 (as amended, restated, supplemented, or otherwise modified from time to time, the "July 2015 Note Purchase Agreement"), pursuant to which the Company issued certain additional Notes and the other Grantors agreed to Guarantee the Secured Obligations;

WHEREAS, each of the Grantors and the Agent entered into the Amended and Restated Security Agreement, dated as of July 22, 2015 (as amended, restated, supplemented, or otherwise modified from time to time, the "Security Agreement"), in order to induce the Purchasers to purchase the additional Notes and to secure the Secured Obligations; and

WHEREAS, the parties to the Original Patent Security Agreement wish to amend and restate the Original Patent Security Agreement in its entirety;

NOW, THEREFORE, in consideration of the premises and mutual covenants herein contained and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor hereby agrees as follows:

1. <u>DEFINED TERMS</u>. All initially capitalized terms used but not otherwise defined herein have the meanings given to them in the Security Agreement, and this Patent Security Agreement shall be subject to the rules of construction set forth in the Security Agreement, which rules of construction are incorporated herein by this reference, *mutatis mutandis*.

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- 2. GRANT OF SECURITY INTEREST IN PATENT COLLATERAL. Each Grantor does hereby unconditionally grant, assign, and pledge to Agent, and agrees to unconditionally grant, assign, and pledge to Agent, for its benefit and the benefit of each of the Noteholders, to secure the Secured Obligations, as applicable, a continuing security interest (referred to in this Patent Security Agreement as the "Security Interest") in all of such Grantor's entire right, title and interest in and to the following, whether now owned or hereafter acquired or arising (collectively, the "Patent Collateral"):
- (a) all of such Grantor's Patents and Patent Intellectual Property Licenses to which it is a party including those referred to on <u>Schedule I</u>;
- (b) all applications, improvements, divisionals, continuations, continuations-in-part, reissues, reexaminations, or extensions of the foregoing, foreign counterparts, and the inventions covered thereby;
- (c) all files and records relating to the prosecution, exploitation, and defense of any of the foregoing, and all rights of action pertaining to the Grantor's Patents; and
- (d) all products and proceeds of the foregoing, including any claim by such Grantor against third parties for past, present or future infringement of any Patent or any Patent exclusively licensed under any Intellectual Property License, including the right to receive damages, or right to receive license fees, royalties, and other compensation under any Patent Intellectual Property License.
- 3. <u>SECURITY FOR SECURED OBLIGATIONS</u>. This Patent Security Agreement and the Security Interest created hereby secures the payment and performance of the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Patent Security Agreement secures the payment of all amounts which constitute part of the Secured Obligations and would be owed by Grantors, or any of them, to Agent, or the Noteholders, whether or not they are unenforceable or not allowable due to the existence of an Insolvency Proceeding involving any Grantor.
- 4. <u>SECURITY AGREEMENT</u>. The Security Interest granted pursuant to this Patent Security Agreement is granted in conjunction with the security interests granted to Agent, for its benefit and the benefit of the Noteholders, pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of Agent with respect to the Security Interest in the Patent Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Patent Security Agreement and the Security Agreement, the Security Agreement shall control.
- 5. <u>AUTHORIZATION TO SUPPLEMENT</u>. If any Grantor shall obtain rights to any new patent application or issued patent or become entitled to the benefit of any patent application or patent for any improvement, divisional, continuation, continuation-in-part, reissue, or reexamination of any existing patent or patent application, or any inventions covered thereby, the provisions of this Patent Security Agreement shall automatically apply thereto. Grantors hereby authorize Agent unilaterally to modify this Patent Security Agreement by amending <u>Schedule I</u> to include any such new patent rights of each Grantor. Notwithstanding the foregoing, no failure to so modify this Patent Security Agreement or amend <u>Schedule I</u> shall in any way affect, invalidate or detract from Agent's continuing security interest in all Collateral, whether or not listed on <u>Schedule I</u>.
- 6. <u>COUNTERPARTS</u>. This Patent Security Agreement is a Note Document. This Patent Security Agreement may be executed in any number of counterparts and by different parties on separate counterparts, each of which, when executed and delivered, shall be deemed to be an original, and all of which, when taken together, shall constitute but one and the same Patent Security Agreement. Delivery

of an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission shall be equally as effective as delivery of an original executed counterpart of this Patent Security Agreement. Any party delivering an executed counterpart of this Patent Security Agreement by telefacsimile or other electronic method of transmission also shall deliver an original executed counterpart of this Patent Security Agreement but the failure to deliver an original executed counterpart shall not affect the validity, enforceability, and binding effect of this Patent Security Agreement.

- 7. CHOICE OF LAW AND VENUE, JURY TRIAL WAIVER. THIS PATENT SECURITY AGREEMENT SHALL BE SUBJECT TO THE PROVISIONS REGARDING CHOICE OF LAW AND VENUE AND JURY TRIAL WAIVER SET FORTH IN SECTIONS <u>8.16</u>, <u>8.17 AND 8.18</u> OF THE SECURITY AGREEMENT, AND SUCH PROVISIONS ARE INCORPORATED HEREIN BY THIS REFERENCE, *MUTATIS MUTANDIS*.
- 8. ORIGINAL PATENT SECURITY AGREEMENT AMENDED AND RESTATED. This Patent Security Agreement is an amendment and restatement of the Original Patent Security Agreement. This Patent Security Agreement is in no way intended to constitute a novation of the Original Patent Security Agreement or the "Obligations" (as defined in the Existing Note Purchase Agreement and the July 2015 Note Purchase Agreement). Any security granted pursuant to or in connection with the Original Patent Security Agreement and the other documents executed in connection therewith shall continue to secure the Secured Obligations.

[signature page follows]

IN WITNESS WHEREOF, the parties hereto have caused this Patent Security Agreement to be executed and delivered as of the day and year first above written.

ALIPHCOM,
a California corporation
DocuSigned by:
Hosain Kalimain
Ву: \
Name: Hosain Rahman
Title: Chief Executive Officer
ALIPH, INC.,
a Delaware corporation
DocuSigned by:
Hosain Raleman
D }
Name: Hosain Rahman
Title: Chief Executive Officer
MACCANIED ACQUICITION LLC
MACGYVER ACQUISITION, LLC,
a Delaware limited liability company
by ALURHGOM as sole member
By: Hosain Kaleman
Name: Hosain Rahman
Title: Chief Executive Officer
BODYMEDIA, INC.,
a Delaware corporation
DocuSigned by:
_ Hosain Raleman
By:
Name: Hosain Rahman
Title: Chief Executive Officer
PROJECT PARIS ACQUISITION LLC, a
Delaware limited liability company
by ALIPHCOMsigns sole member
Hosain Kaliman
By: (10.0000 ) 1000   1
Name: Hosain Rahman
Title: Chief Executive Officer

[SIGNATURE PAGE TO AMENDED AND RESTATED PATENT SECURITY AGREEMENT]

**GRANTORS:** 

AGENT:

ACCEPTED AND ACKNOWLEDGED BY:

BLACKROCK ADVISORS, LLC

Ву:

ile: Managing Director, Authorized

[SIGNATURE PAGE TO AMENDED AND RESTATED PATENT SECURITY AGREEMENT]

# SCHEDULE I to PATENT SECURITY AGREEMENT

## **Patents**

Current Owner	Country	Patent No.	Application No.	Filed
Aliph, Inc.	U.S.	7246058B2	10159770	5/30/2002
Aliph, Inc.	U.S.		13069244	3/22/2011
Aliph, Inc.	U.S.		13069264	3/22/2011
Aliph, Inc.	U.S.		13069275	3/22/2011
Aliph, Inc.	U.S.	8,942,383	13753441	1/29/2013
Aliph, Inc.	U.S.	D0609901S	29333427	3/9/2009
Aliph, Inc.	U.S.	D0610579S	29333428	3/9/2009
Aliph, Inc.	U.S.	D0614179S	29333430	3/9/2009
Aliph, Inc.	U.S.	D0609900S	29333431	3/9/2009
Aliph, Inc.	U.S.	D0620247S	29333432	3/9/2009
Aliphcom, Inc.	U.S.	8467543B2	10400282	3/27/2003
Aliphcom, Inc.	U.S.	8019091B2	10667207	9/18/2003
Aliphcom, Inc.	U.S.	7433484B2	10769302	1/30/2004
Aliphcom, Inc.	U.S.	8340309B2	11199856	8/8/2005

Aliphcom	U.S.	8810732B1	11704552	2/9/2007
Aliphcom	U.S.	8839342B2	11859460	9/21/2007
Aliphcom	U.S.	8320824B2	11860004	9/24/2007
Aliphcom	U.S.	7929446	11969737	1/4/2008
Aliphcom	U.S.		11982956	11/5/2007
Aliphcom	U.S.	8489136B2	12006607	1/3/2008
AliphCom, Inc.	U.S.	8055307	12039718	2/18/2008
Aliphcom, Inc.	U.S.	8625816B2	12123364	5/19/2008
Aliphcom, Inc.	U.S.	8503691B2	12139333	6/13/2008
Aliphcom, Inc.	U.S.	8837746B2	12139344	6/13/2008
Aliphcom, Inc.	U.S.	8494177B2	12139355	6/13/2008
Aliphcom, Inc.	U.S.	8503692B2	12139361	6/13/2008

Aliphcom, Inc.	U.S.	8254617B2	12163592	6/27/2008
Aliphcom, Inc.	U.S.	8280072B2	12163617	6/27/2008
Aliphcom, Inc.	U.S.		12163647	6/27/2008
Aliphcom, Inc.	U.S.	8477961B2	12163675	6/27/2008
Aliphcom, Inc.	U.S.	8130984B2	12243718	10/1/2008
Aliphcom, Inc.	U.S.	8503596B2	12244670	10/2/2008
Aliphcom, Inc.	U.S.	8452347B2	12354689	1/15/2009
Aliphcom, Inc.	U.S.	8326611B2	12606140	10/26/2009
Aliphcom, Inc.	U.S.	8321213B2	12606146	10/26/2009
Aliphcom, Inc.	U.S.		12756051	4/7/2010
Aliphcom, Inc.	U.S.	8503686B2	12772947	5/3/2010
Aliphcom, Inc.	U.S.	8452023B2	12772963	5/3/2010
Aliphcom, Inc.	U.S.	8488803B2	12772975	5/3/2010

Aliphcom, Inc.	U.S.	8699721B2	12826643	6/29/2010
Aliphcom, Inc.	U.S.	8731211B2	12826658	6/29/2010
Aliphcom, Inc.	U.S.	8842848B2	12882482	9/15/2010
Aliphcom, Inc.	U.S.	9003429	12886919	9/21/2010
Aliphcom, Inc.	U.S.		13037057	2/28/2011
AliphCom	U.S.		13109839	5/17/2011
Aliphcom, Inc.	U.S.	8817642B2	13117539	5/27/2011
Aliphcom, Inc.	U.S.		13135728	7/12/2011
Aliphcom, Inc.	U.S.		13158372	6/10/2011
Aliphcom, Inc.	U.S.		13158416	6/11/2011
Aliphcom	U.S.		13180000	7/11/2011
Aliphcom	U.S.	8793522B2	13180320	7/11/2011
Aliphcom	U.S.		13181486	7/12/2011

Aliphcom	U.S.		13181500	7/12/2011
Aliphcom	U.S.		13181511	7/12/2011
Aliphcom	U.S.		13181512	7/12/2011
Aliphcom	U.S.		13181513	7/12/2011
Aliphcom	U.S.	8838184B2	13184422	7/15/2011
Aliphcom	U.S.		13209047	8/12/2011
AliphCom, Inc.	U.S.	8509690B2	13246617	9/27/2011
Aliphcom	U.S.		13247975	9/28/2011
Aliphcom	U.S.	8804986B2	13270976	10/11/2011
Aliphcom	U.S.		13346719	1/9/2012
Aliphcom	U.S.		13361919	1/30/2012
Aliphcom	U.S.		13374746	1/9/2012

Aliphcom	U.S.		13405240	2/25/2012
Aliphcom	U.S.		13405241	2/25/2012
Aliphcom	U.S.		13420568	3/14/2012
Aliphcom	U.S.		13421576	3/15/2012
Aliphcom	U.S.	8529811B2	13427839	3/22/2012
Aliphcom, Inc.	U.S.		13431725	3/27/2012
Aliphcom	U.S.		13433204	3/28/2012
Aliphcom	U.S.		13433208	3/28/2012
Aliphcom	U.S.		13433213	3/28/2012
Aliphcom, Inc.	U.S.	8682018B2	13436765	3/30/2012
Aliphcom, Inc.	U.S.	8446275B2	13454040	4/23/2012
Aliphcom	U.S.		13491345	6/7/2012

Aliphcom	U.S.	13491524	6/7/2012
Aliphcom	U.S.	13492770	6/8/2012
Aliphcom	U.S.	13492776	6/8/2012
Aliphcom	U.S.	13492857	6/9/2012
Aliphcom	U.S.	13528830	6/20/2012
AliphCom	U.S.	13552462	7/18/2012
Aliphcom	U.S.	13561033	7/28/2012
AliphCom	U.S.	13627997	9/26/2012
AliphCom, Inc.	U.S.	13666932	11/1/2012
AliphCom, Inc.	U.S.	13669356	11/5/2012
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AliphCom	U.S.	13670419	11/6/2012
AliphCom	U.S.	13672392	11/8/2012
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Aliphcom	U.S.		13672671	11/8/2012
AliphCom	U.S.		13673846	11/9/2012
AliphCom	U.S.		13673857	11/9/2012
AliphCom	U.S.		13674080	11/11/2012
AliphCom	U.S.	8934654B2	13802266	3/13/2013
AliphCom	U.S.		13802283	3/13/2013
AliphCom	U.S.		13802305	3/13/2013
AliphCom	U.S.		13802319	3/13/2013
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AliphCom	U.S.		13802425	3/13/2013
AliphCom	U.S.		13802442	3/13/2013
Aliphcom, Inc.	U.S.		13802528	3/13/2013
AliphCom	U.S.		13802646	3/13/2013
Aliphcom	U.S.		13802674	3/13/2013
Aliphcom	U.S.		13802689	3/13/2013
Aliphcom	U.S.		13827683	3/14/2013
Alipheolii	0.3.		1382/083	3/14/2013
AliphCom	U.S.		13827754	3/14/2013
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Aliphcom	U.S.		13831139	3/14/2013
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AliphCom	U.S.	13831260	3/14/2013
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AliphCom	U.S.	13831447	3/14/2013
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Aliphcom	U.S.	13871843	4/26/2013
AliphCom	U.S.	13886173	5/2/2013
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AliphCom	U.S.	13890143	5/8/2013
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Aliphcom	U.S.	13898451	5/20/2013
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AliphCom	U.S.	13929718	6/27/2013
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Aliphcom	U.S.	13942674	7/15/2013
Aliphcom, Inc.	U.S.	13948160	7/22/2013
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AliphCom	U.S.	13952532	7/26/2013
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AliphCom	U.S.	13954331	7/30/2013
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Aliphcom	U.S.	13959707	8/5/2013
Aliphcom, Inc.	U.S.	13959708	8/5/2013
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Aliphcom	U.S.	13959709	8/5/2013
AliphCom	U.S.	13967317	8/14/2013
AliphCom	U.S.	14029300	9/17/2013
AliphCom	U.S.	14058125	10/18/2013
AliphCom	U.S.	14064189	10/27/2013
AliphCom	U.S.	14065393	10/28/2013
AliphCom	U.S.	14065400	10/28/2013
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AliphCom	U.S.	14065419	10/29/2013
AliphCom	U.S.	14067444	10/30/2013
AliphCom	U.S.	14068551	10/31/2013
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AliphCom	U.S.	14069031	10/31/2013
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AliphCom	U.S.	14070437	11/1/2013
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AliphCom	U.S.	14070446	11/1/2013
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AliphCom	U.S.	14071546	11/4/2013
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AliphCom	U.S.	14073696	11/6/2013
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AliphCom	U.S.	14076014	11/8/2013
AliphCom	U.S.	14079632	11/13/2013
AliphCom	U.S.	14105119	12/12/2013
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AliphCom	U.S.	14105157	12/12/2013
AliphCom	U.S.	14105159	12/12/2013
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AliphCom	U.S.	14144517	12/30/2013
AliphCom	U.S.	14144518	12/30/2013
AliphCom	U.S.	14144519	12/30/2013
AliphCom	U.S.	14144521	12/30/2013
AliphCom	U.S.	14144524	12/30/2013
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AliphCom	U.S.	14145849	12/31/2013
AliphCom	U.S.	14145852	12/31/2013
AliphCom	U.S.	14145856	12/31/2013
Aliphcom	U.S.	14145879	12/31/2013
AliphCom	U.S.	14145887	12/31/2013
, <b>.</b>		1.1.000,	12,02,202
AlimbCam	U.S.	14145904	12/21/2012
AliphCom	0.5.	14145894	12/31/2013
AliphCom	U.S.	14149805	1/7/2014
AliphCom	U.S.	14181589	2/14/2014
AliphCom	U.S.	14181595	2/18/2014
AliphCom	U.S.	14183425	2/18/2014
AliphCom	U.S.	14183463	2/18/2014
AliphCom	U.S.	14183472	2/18/2014
AliphCom	U.S.	14183490	2/18/2014
AliphCom	U.S.	14183491	2/18/2014
AliphCom	U.S.	14183493	2/18/2014
AliphCom	U.S.	14187317	2/23/2014
AliphCom	U.S.	14188602	2/24/2014
AliphCom	U.S.	14191284	2/26/2014
AliphCom	U.S.	14192432	2/27/2014
AliphCom	U.S.	14192463	2/27/2014
AliphCom	U.S.	14192610	2/27/2014
AliphCom	U.S.	14192620	2/27/2014
AliphCom	U.S.	14194424	2/28/2014
AliphCom	U.S.	14194495	2/28/2014
AliphCom	U.S.	14203464	3/10/2014
AliphCom	U.S.	14203467	3/10/2014
AliphCom	U.S.	14205138	3/11/2014
AliphCom	U.S.	14205151	3/11/2014
AliphCom	U.S.	14205215	3/11/2014
AliphCom	U.S.	14205213	3/11/2014
Allphicolli	0.3.	14203203	3/11/2014

AliphCom	U.S.	14207183	3/12/2014
AliphCom	U.S.	14207203	3/12/2014
AliphCom	U.S.	14207221	3/12/2014
AliphCom	U.S.	14207235	3/12/2014
AliphCom	U.S.	14207243	3/12/2014
AliphCom	U.S.	14207263	3/12/2014
AliphCom	U.S.	14207420	3/12/2014
AliphCom	U.S.	14207429	3/12/2014
AliphCom	U.S.	14209329	3/13/2014
AliphCom	U.S.	14209690	3/13/2014
AliphCom	U.S.	14209959	3/13/2014
AliphCom	U.S.	14210201	3/13/2014
AliphCom	U.S.	14210234	3/13/2014
AliphCom	U.S.	14212832	3/14/2014
AliphCom	U.S.	14213439	3/14/2014
AliphCom	U.S.	14214065	3/14/2014
AliphCom	U.S.	14214086	3/14/2014
AliphCom	U.S.	14214254	3/14/2014
AliphCom	U.S.	14215038	3/16/2014
AliphCom	U.S.	14215047	3/16/2014
AliphCom	U.S.	14215051	3/16/2014
AliphCom	U.S.	14219648	3/19/2014
Aliphcom, Inc.	U.S.	14224868	3/25/2014
AliphCom	U.S.	14225339	3/25/2014
AliphCom	U.S.	14243747	4/2/2014
AliphCom	U.S.	14244677	4/3/2014
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AliphCom	U.S.	14244759	4/3/2014
AliphCom	U.S.	14246971	4/7/2014
AliphCom	U.S.	14260221	4/23/2014
AliphCom	U.S.	14266697	4/30/2014
AliphCom	U.S.	14270242	5/5/2014
AliphCom	U.S.	14270249	5/5/2014

AliphCom	U.S.		14272464	5/7/2014
AliphCom	U.S.		14279253	5/15/2014
AliphCom	U.S.		14281856	5/19/2014
AliphCom	U.S.		14289617	5/28/2014
AliphCom	U.S.		14301220	6/10/2014
AliphCom	U.S.		14301227	6/10/2014
AliphCom	U.S.		14313895	6/24/2014
AliphCom	U.S.		14328665	7/10/2014
AliphCom	U.S.		14389766	9/30/2014
AliphCom	U.S.		14421815	2/13/2015
AliphCom	U.S.		14445051	7/28/2014
AliphCom	U.S.	1	14452496	8/5/2014
AliphCom	U.S.		14457051	8/11/2014
AliphCom	U.S.		14463556	8/19/2014
AliphCom	U.S.		14468327	8/25/2014
AliphCom, Inc.	U.S.	D0582398S	29299133	12/19/2007
AliphCom, Inc.	U.S.	D0584294S	29299134	12/19/2007
AliphCom, Inc.	U.S.	D0582898S	29299135	12/19/2007
AliphCom, Inc.	U.S.	D0585881S	29299139	12/19/2007
Aliphcom	U.S.	D0632674S	29353843	1/14/2010
Aliphcom	U.S.	D0632675S	29353844	1/14/2010
Aliphcom	U.S.	D0645026S	29353846	1/14/2010
Aliphcom	U.S.	D0632676S	29353847	1/14/2010
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Aliphcom	U.S.	D0633480S	29354212	1/20/2010
Aliphcom	U.S.	D0648709S	29377627	10/22/2010
Aliphcom	U.S.	D0648726S	29377628	10/22/2010
Aliphcom	U.S.	D0645024S	29378325	11/2/2010
AliphCom	U.S.	D0655689S	29378327	11/2/2010
AliphCom	U.S.	D0652019S	29378328	11/2/2010
AliphCom	U.S.	D0652020S	29378329	11/2/2010
AliphCom	U.S.	D0641341S	29383495	1/18/2011
AliphCom	U.S.	D0664948S	29383712	1/20/2011
AliphCom	U.S.	D0664949S	29383714	1/20/2011
AliphCom	U.S.	D0653149S	29393916	6/10/2011
AliphCom	U.S.	D0695758S	29405617	11/3/2011
AliphCom	U.S.	D0696272S	29405623	11/3/2011
AliphCom	U.S.	D0695759S	29405625	11/3/2011
AliphCom	U.S.	D0695760S	29405626	11/3/2011
AliphCom	U.S.	D0695761S	29405627	11/3/2011
AliphCom	U.S.	D0696273S	29405628	11/3/2011
AliphCom	U.S.	D0696274S	29405630	11/3/2011

AliphCom	U.S.	D0695762S	29405631	11/3/2011
AliphCom	U.S.	D0699252S	29405633	11/3/2011
AliphCom	U.S.	D0695763S	29405634	11/3/2011
AliphCom	U.S.	D0696275S	29405635	11/3/2011
AliphCom	U.S.	D0695764S	29405636	11/3/2011
AliphCom	U.S.	D0695765S	29405637	11/3/2011
AliphCom	U.S.	D0695766S	29405638	11/3/2011
AliphCom	U.S.	D0695767S	29405639	11/3/2011
AliphCom	U.S.	D0695768S	29405640	11/3/2011
AliphCom	U.S.	D0695769S	29405641	11/3/2011
AliphCom	U.S.	D0695770S	29405642	11/3/2011
AliphCom	U.S.	D0695771S	29405643	11/3/2011
AliphCom	U.S.	D0695772S	29405644	11/3/2011
AliphCom	U.S.	D0695773S	29405645	11/3/2011
AliphCom	U.S.	D0696276S	29405646	11/3/2011
AliphCom	U.S.	D0678864S	29413571	2/16/2012
AliphCom	U.S.	D0678865S	29413572	2/16/2012

AliphCom	U.S.	D0678244S	29413573	2/16/2012
AliphCom	U.S.	D0698757S	29445283	2/8/2013
/p.//com	0.5.	500307373	23 1 13203	2, 3, 2013
AliphCom	U.S.	D0698758S	29445286	2/8/2013
Aliphcom	0.3.	000387383	29443280	2/8/2013
AliphCom	U.S.	D0698759S	29445287	2/8/2013
AliphCom	U.S.	D0710325S	29459899	7/3/2013
AliphCom	U.S.	D0713389S	29459900	7/3/2013
AliphCom	U.S.		62019327	6/30/2014
AliphCom	U.S.		62067428	10/22/2014
AliphCom	U.S.		62107411	1/25/2015
AliphCom	U.S.		14/121,355	8/22/2014
AliphCom	U.S.		14/121,463	9/8/2014
AliphCom	U.S.		14/121,465	9/8/2014
AliphCom	U.S.		14/121,938	11/4/2014
AliphCom	U.S.		14/121,939	11/4/2014
AliphCom	U.S.		14/121,940	11/4/2014
AliphCom	U.S.		14/121,941	11/4/2014
AliphCom	U.S.		14/121,942	11/4/2014
AliphCom	U.S.		14/121,943	11/4/2014
AliphCom	U.S.		14/121,944	11/4/2014
AliphCom	U.S.		14/121,947	11/4/2014
AliphCom	U.S.		14/121,948	11/4/2014
AliphCom	U.S.		14/313901	6/24/2014
AliphCom	U.S.		14/480,048	9/8/2014
AliphCom	U.S.		14/480,070	9/8/2014
AliphCom	U.S.		14/480,427	9/8/2014
AliphCom	U.S.		14/480,446	9/8/2014
AliphCom	U.S.		14/480,452	9/8/2014
AliphCom	U.S.		14/480,462	9/8/2014
AliphCom	U.S.		14/480,628	9/8/2014
AliphCom	U.S.		14/486,978	9/15/2014
AliphCom	U.S.		14/486,997	9/15/2014

AliphCom       U.S.       14/526,503       10/28/2014         AliphCom       U.S.       14/532,789       11/4/2014         AliphCom       U.S.       14/541,064       11/13/2014         AliphCom       U.S.       14/541,134       11/13/2014         AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015	AliphCom	U.S.		14/488,042	9/16/2014
AliphCom       U.S.       14/526,503       10/28/2014         AliphCom       U.S.       14/532,789       11/4/2014         AliphCom       U.S.       14/541,064       11/13/2014         AliphCom       U.S.       14/541,134       11/13/2014         AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/696,127       1/13/2015         AliphCom       U.S.       14/690,127       1/13/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/650,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8	AliphCom	U.S.		14/493,298	9/22/2014
AliphCom       U.S.       14/532,789       11/4/2014         AliphCom       U.S.       14/541,064       11/13/2014         AliphCom       U.S.       14/541,134       11/13/2014         AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.	AliphCom	U.S.		14/519,116	10/20/2014
AliphCom       U.S.       14/541,064       11/13/2014         AliphCom       U.S.       14/541,134       11/13/2014         AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.	AliphCom	U.S.		14/526,503	10/28/2014
AliphCom       U.S.       14/541,134       11/13/2014         AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc	AliphCom	U.S.		14/532,789	11/4/2014
AliphCom       U.S.       14/541,135       11/13/2014         AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003      <	AliphCom	U.S.		14/541,064	11/13/2014
AliphCom       U.S.       14/578,297       12/19/2014         AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       660503881       9602537       6/23/2000         BodyMedia, Inc.       U.S.       659592982       9822890       3/30/2001         BodyMedia, Inc.       U.S.       726169082       9923181       8/6/2001         BodyMedia, Inc.       U.S.       715326282       10313255       12/6/2002         BodyMedia, Inc.       U.S.       815773182       10682293       10/9/2003         BodyMedia, Inc.       U.S.       728509082       10682759       10/9/2003         BodyMedia, Inc.       U.S.       839854682	AliphCom	U.S.		14/541,134	11/13/2014
AliphCom       U.S.       14/596,127       1/13/2015         AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       8157731B2       10612894       7/7/2003         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.	AliphCom	U.S.		14/541,135	11/13/2014
AliphCom       U.S.       14/606,995       1/27/2015         AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, I	AliphCom	U.S.		14/578,297	12/19/2014
AliphCom       U.S.       14/637,387       3/3/2015         AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	AliphCom	U.S.		14/596,127	1/13/2015
AliphCom       U.S.       14/640,013       3/5/2015         AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       9620579       7/20/2000         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	AliphCom	U.S.		14/606,995	1/27/2015
AliphCom       U.S.       14/656,683       3/12/2015         AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       660503881       9602537       6/23/2000         BodyMedia, Inc.       U.S.       659592982       9822890       3/30/2001         BodyMedia, Inc.       U.S.       726169082       9923181       8/6/2001         BodyMedia, Inc.       U.S.       702050882       10227575       8/22/2002         BodyMedia, Inc.       U.S.       715326282       10313255       12/6/2002         BodyMedia, Inc.       U.S.       815773182       10682293       10/9/2003         BodyMedia, Inc.       U.S.       728509082       10682759       10/9/2003         BodyMedia, Inc.       U.S.       839854682       10940214       9/13/2004         BodyMedia, Inc.       U.S.       750264382       10940889       9/13/2004	AliphCom	U.S.		14/637,387	3/3/2015
AliphCom       U.S.       14/659,521       3/16/2015         BodyMedia, Inc.       U.S.       6,527,711       9419600       10/18/1999         BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       9620579       7/20/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	AliphCom	U.S.		14/640,013	3/5/2015
BodyMedia, Inc.         U.S.         6,527,711         9419600         10/18/1999           BodyMedia, Inc.         U.S.         7,689,437         9595660         6/16/2000           BodyMedia, Inc.         U.S.         6605038B1         9602537         6/23/2000           BodyMedia, Inc.         U.S.         9620579         7/20/2000           BodyMedia, Inc.         U.S.         6595929B2         9822890         3/30/2001           BodyMedia, Inc.         U.S.         7261690B2         9923181         8/6/2001           BodyMedia, Inc.         U.S.         7020508B2         10227575         8/22/2002           BodyMedia, Inc.         U.S.         7153262B2         10313255         12/6/2002           BodyMedia, Inc.         U.S.         8157731B2         10682293         10/9/2003           BodyMedia, Inc.         U.S.         7285090B2         10682759         10/9/2003           BodyMedia, Inc.         U.S.         8398546B2         10940214         9/13/2004           BodyMedia, Inc.         U.S.         7502643B2         10940889         9/13/2004	AliphCom	U.S.		14/656,683	3/12/2015
BodyMedia, Inc.       U.S.       7,689,437       9595660       6/16/2000         BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       9620579       7/20/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	AliphCom	U.S.		14/659,521	3/16/2015
BodyMedia, Inc.       U.S.       6605038B1       9602537       6/23/2000         BodyMedia, Inc.       U.S.       9620579       7/20/2000         BodyMedia, Inc.       U.S.       6595929B2       9822890       3/30/2001         BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         BodyMedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	BodyMedia, Inc.	U.S.	6,527,711	9419600	10/18/1999
BodyMedia, Inc.         U.S.         9620579         7/20/2000           BodyMedia, Inc.         U.S.         6595929B2         9822890         3/30/2001           BodyMedia, Inc.         U.S.         7261690B2         9923181         8/6/2001           BodyMedia, Inc.         U.S.         7020508B2         10227575         8/22/2002           Bodymedia, Inc.         U.S.         7153262B2         10313255         12/6/2002           BodyMedia         U.S.         8157731B2         10612894         7/7/2003           BodyMedia, Inc.         U.S.         8157731B2         10682293         10/9/2003           BodyMedia, Inc.         U.S.         7285090B2         10682759         10/9/2003           BodyMedia, Inc.         U.S.         8398546B2         10940214         9/13/2004           BodyMedia, Inc.         U.S.         7502643B2         10940889         9/13/2004	BodyMedia, Inc.	U.S.	7,689,437	9595660	6/16/2000
BodyMedia, Inc.         U.S.         6595929B2         9822890         3/30/2001           BodyMedia, Inc.         U.S.         7261690B2         9923181         8/6/2001           BodyMedia, Inc.         U.S.         7020508B2         10227575         8/22/2002           Bodymedia, Inc.         U.S.         7153262B2         10313255         12/6/2002           BodyMedia         U.S.         8157731B2         10682293         10/9/2003           BodyMedia, Inc.         U.S.         7285090B2         10682759         10/9/2003           BodyMedia, Inc.         U.S.         8398546B2         10940214         9/13/2004           BodyMedia, Inc.         U.S.         7502643B2         10940889         9/13/2004	BodyMedia, Inc.	U.S.	6605038B1	9602537	6/23/2000
BodyMedia, Inc.       U.S.       7261690B2       9923181       8/6/2001         BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         Bodymedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia       U.S.       10612894       7/7/2003         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	BodyMedia, Inc.	U.S.		9620579	7/20/2000
BodyMedia, Inc.       U.S.       7020508B2       10227575       8/22/2002         Bodymedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia       U.S.       10612894       7/7/2003         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	BodyMedia, Inc.	U.S.	6595929B2	9822890	3/30/2001
Bodymedia, Inc.       U.S.       7153262B2       10313255       12/6/2002         BodyMedia       U.S.       10612894       7/7/2003         BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	BodyMedia, Inc.	U.S.	7261690B2	9923181	8/6/2001
BodyMedia         U.S.         10612894         7/7/2003           BodyMedia, Inc.         U.S.         8157731B2         10682293         10/9/2003           BodyMedia, Inc.         U.S.         7285090B2         10682759         10/9/2003           BodyMedia, Inc.         U.S.         8398546B2         10940214         9/13/2004           BodyMedia, Inc.         U.S.         7502643B2         10940889         9/13/2004	BodyMedia, Inc.	U.S.	7020508B2	10227575	8/22/2002
BodyMedia, Inc.       U.S.       8157731B2       10682293       10/9/2003         BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	Bodymedia, Inc.	U.S.	7153262B2	10313255	12/6/2002
BodyMedia, Inc.       U.S.       7285090B2       10682759       10/9/2003         BodyMedia, Inc.       U.S.       8398546B2       10940214       9/13/2004         BodyMedia, Inc.       U.S.       7502643B2       10940889       9/13/2004	BodyMedia	U.S.		10612894	7/7/2003
BodyMedia, Inc. U.S. 8398546B2 10940214 9/13/2004 BodyMedia, Inc. U.S. 7502643B2 10940889 9/13/2004	BodyMedia, Inc.	U.S.	8157731B2	10682293	10/9/2003
BodyMedia, Inc. U.S. 7502643B2 10940889 9/13/2004	BodyMedia, Inc.	U.S.	7285090B2	10682759	10/9/2003
	BodyMedia, Inc.	U.S.	8398546B2	10940214	9/13/2004
BodyMedia, Inc. U.S. 8663106B2 11088002 3/22/2005	BodyMedia, Inc.	U.S.	7502643B2	10940889	9/13/2004
	BodyMedia, Inc.	U.S.	8663106B2	11088002	3/22/2005

Bodymedia, Inc.	U.S.		11239748	9/30/2005
Bodymedia, Inc.	U.S.	8073707	11247049	10/11/2005
Bodymedia, Inc.	U.S.	8961413	11434949	5/16/2006
Bodymedia, Inc.	U.S.	8403845	11481147	7/5/2006
BodyMedia, Inc.	U.S.		11582896	10/17/2006
Bodymedia, Inc.	U.S.	8961414B2	11724373	3/15/2007
Bodymedia, Inc.	U.S.	7,959,567	11876623	10/22/2007
Bodymedia, Inc.	U.S.		11925906	10/27/2007
BodyMedia, Inc.	U.S.	8708904B2	11925965	10/28/2007
Bodymedia, Inc.	U.S.		11928039	10/30/2007
Bodymedia, Inc.	U.S.		11930036	10/30/2007
Bodymedia, Inc.	U.S.		11930053	10/30/2007
Bodymedia, Inc.	U.S.		11930081	10/30/2007
Bodymedia, Inc.	U.S.	8641612B2	11930091	10/31/2007
Bodymedia, Inc.	U.S.	8,968,196	11930092	10/31/2007
Bodymedia, Inc.	U.S.	8852098B2	11930094	10/31/2007

BodyMedia, Inc.	U.S.		12033722	2/19/2008
BodyMedia, Inc.	U.S.		12033731	2/19/2008
BodyMedia, Inc.	U.S.		12033741	2/19/2008
BodyMedia, Inc.	U.S.		12033746	2/19/2008
BodyMedia, Inc.	U.S.		12033751	2/19/2008
BodyMedia, Inc.	U.S.	8382590B2	12033753	2/19/2008
BodyMedia, Inc.	U.S.	8275635B2	12033760	2/19/2008
BodyMedia, Inc.	U.S.		12033766	2/19/2008
BodyMedia	U.S.		12352911	1/13/2009
BodyMedia, Inc.	U.S.	8369936B2	12840109	7/20/2010
BodyMedia, Inc.  Virginia Commonwealth University	U.S.		13130282	6/18/2012
Bodymedia, Inc.	U.S.	8870766	13291879	11/8/2011
Bodymedia, Inc.	U.S.		13291982	11/8/2011
BodyMedia, Inc.	U.S.		13734433	1/4/2013
BodyMedia, Inc.	U.S.		13761409	2/7/2013
BODYMEDIA, INC.	U.S.		13761557	2/7/2013

BodyMedia, Inc.	U.S.		14058485	10/21/2013
BodyMedia, Inc.	U.S.		14058493	10/21/2013
BodyMedia, Inc.	U.S.	8979763	14058501	10/21/2013
BodyMedia, Inc.	U.S.		14058563	10/21/2013
BodyMedia, Inc.	U.S.		14059054	10/21/2013
BodyMedia, Inc.	U.S.		14059072	10/21/2013
BodyMedia, Inc.	U.S.		14059117	10/21/2013
BODYMEDIA, INC.	U.S.		14060004	10/22/2013
BodyMedia, Inc.	U.S.		14060010	10/22/2013
BodyMedia, Inc.	U.S.		14060029	10/22/2013
BodyMedia, Inc.	U.S.		14060047	10/22/2013
BodyMedia, Inc.	U.S.		14060072	10/22/2013
BodyMedia, Inc.	U.S.		14060082	10/22/2013
BodyMedia, Inc.	U.S.		14060092	10/22/2013
BODYMEDIA, INC.	U.S.		14060122	10/22/2013
BodyMedia, Inc.	U.S.		14081369	11/15/2013
BodyMedia, Inc.	U.S.		14081406	11/15/2013
BodyMedia, Inc.	U.S.		14081880	11/15/2013
BodyMedia, Inc.	U.S.		14081889	11/15/2013
BodyMedia, Inc.	U.S.		14081901	11/15/2013
BodyMedia, Inc.	U.S.		14081928	11/15/2013
BodyMedia, Inc.	U.S.		14081935	11/15/2013
BodyMedia, Inc.	U.S.		14081942	11/15/2013
BodyMedia, Inc.	U.S.		14081951	11/15/2013
BodyMedia, Inc.	U.S.		14081956	11/15/2013
BodyMedia, Inc.	U.S.		14081967	11/15/2013
BodyMedia, Inc.	U.S.		14081972	11/15/2013
BodyMedia, Inc.	U.S.		14081979	11/15/2013
BodyMedia, Inc.	U.S.		14082070	11/15/2013
BodyMedia, Inc.	U.S.		14082176	11/17/2013
BodyMedia, Inc.	U.S.		14082178	11/17/2013
BodyMedia, Inc.	U.S.		14082179	11/17/2013
BODYMEDIA, INC.	U.S.		14082180	11/17/2013
BodyMedia, Inc.	U.S.		14082183	11/17/2013
BODYMEDIA, INC.	U.S.		14082185	11/17/2013
BodyMedia, Inc.	U.S.		14082186	11/17/2013
BodyMedia, Inc.	U.S.		14082188	11/17/2013
BodyMedia, Inc.	U.S.		14082189	11/17/2013
BodyMedia, Inc.	U.S.		14082190	11/17/2013
BodyMedia, Inc.	U.S.		14082192	11/17/2013
BodyMedia, Inc.	U.S.		14083372	11/18/2013

BodyMedia, Inc.	U.S.	14083382	11/18/2013
BodyMedia, Inc.	U.S.	14083389	11/18/2013
BodyMedia, Inc.	U.S.	14083397	11/18/2013
BodyMedia, Inc.	U.S.	14083401	11/18/2013
BodyMedia, Inc.	U.S.	14083404	11/18/2013
BodyMedia, Inc.	U.S.	14083407	11/18/2013
BodyMedia, Inc.	U.S.	14133607	12/18/2013
BodyMedia, Inc.	U.S.	14133610	12/18/2013
BodyMedia, Inc.	U.S.	14133612	12/18/2013
BodyMedia, Inc.	U.S.	14133615	12/18/2013
BodyMedia, Inc.	U.S.	14133619	12/18/2013
BodyMedia, Inc.	U.S.	14133620	12/18/2013
BodyMedia, Inc.	U.S.	14133622	12/18/2013
BodyMedia, Inc.	U.S.	14133625	12/18/2013
BodyMedia, Inc.	U.S.	14133626	12/18/2013
BodyMedia, Inc.	U.S.	14133634	12/18/2013
BodyMedia, Inc.	U.S.	14133638	12/19/2013
BodyMedia, Inc.	U.S.	14133638	12/19/2013
BodyMedia, Inc.	U.S.	14133640	12/19/2013
, ,	U.S.	14136750	12/19/2013
BodyMedia, Inc.			
BodyMedia, Inc.	U.S.	14137027 14137087	12/20/2013 12/20/2013
BodyMedia, Inc.			
BodyMedia, Inc.	U.S.	14137126	12/20/2013
BodyMedia, Inc.	U.S.	14137233	12/20/2013
BodyMedia, Inc.	U.S.	14138030	12/21/2013
BodyMedia, Inc.	U.S.	14138033	12/21/2013
BodyMedia, Inc.	U.S.	14138042	12/21/2013
BodyMedia, Inc.	U.S.	14138043	12/21/2013
BodyMedia, Inc.	U.S.	14138046	12/21/2013
BodyMedia, Inc.	U.S.	14139871	12/24/2013
BodyMedia, Inc.	U.S.	14139872	12/24/2013
BodyMedia, Inc.	U.S.	14139873	12/24/2013
Bodymedia, Inc.	U.S.	14139875	12/24/2013
BodyMedia, Inc.	U.S.	14221506	3/21/2014
BODYMEDIA, INC.	U.S.	14248576	4/9/2014
BodyMedia, Inc.	U.S.	14248776	4/9/2014
BodyMedia	U.S.	14248830	4/9/2014
BodyMedia	U.S.	14248853	4/9/2014
BodyMedia		+	l
	U.S.	14248885	4/9/2014

BodyMedia, Inc.	U.S.		14249211	4/9/2014
BodyMedia	U.S.		14249235	4/9/2014
BodyMedia, Inc.	U.S.		14249262	4/9/2014
BodyMedia, Inc.	U.S.		14249290	4/9/2014
BodyMedia, Inc.	U.S.		14249314	4/9/2014
BodyMedia	U.S.		14249318	4/9/2014
BodyMedia	U.S.		14249328	4/9/2014
BodyMedia	U.S.		14252090	4/14/2014
BodyMedia	U.S.		14284947	5/22/2014
BodyMedia	U.S.		14285018	5/22/2014
BodyMedia	U.S.		14285036	5/22/2014
BodyMedia	U.S.		14285092	5/22/2014
BodyMedia, Inc.	U.S.		14285159	5/22/2014
BodyMedia, Inc.	U.S.		14285194	5/22/2014
BodyMedia	U.S.		14285232	5/22/2014
BodyMedia, Inc.	U.S.		14292105	5/30/2014
BodyMedia, Inc.	U.S.		14292368	5/30/2014
BodyMedia, Inc.	U.S.		14292735	5/30/2014
BodyMedia	U.S.		14292831	5/31/2014
BodyMedia	U.S.		14292833	5/31/2014
BodyMedia	U.S.		14336413	7/21/2014
BodyMedia	U.S.		14336448	7/21/2014
BodyMedia	U.S.		14336539	7/21/2014
BodyMedia	U.S.		14336571	7/21/2014
BodyMedia	U.S.		14336598	7/21/2014
BodyMedia	U.S.		14336625	7/21/2014
BodyMedia, Inc.	U.S.	D0439981S	29127587	8/9/2000
BodyMedia, Inc.	U.S.	D0451604S	29129931	9/25/2000
BodyMedia, Inc.	U.S.	D0460971S	29143975	6/21/2001
BodyMedia, Inc.	U.S.	D632396	29256362	3/20/2006
BodyMedia, Inc.	U.S.	D631552	29256753	3/24/2006

BodyMedia         U.S.         14/509,034         10           BodyMedia         U.S.         14/526,499         10           BodyMedia         U.S.         14/630,618         2/           BodyMedia         U.S.         14/630,618         2/           BodyMedia         U.S.         14/636,157         3/           BodyMedia         U.S.         95/002,354         9/           BodyMedia, Inc.         U.S.         95/002,360         9/           BodyMedia, Inc.         U.S.         95/002,366         9/           BodyMedia, Inc.         U.S.         95/002,367         9           BodyMedia, Inc.         U.S.         95/002,371         9           BodyMedia, Inc.         U.S.         95/002,376         9           BodyMedia, Inc.         U.S.         95/002,376         9           BodyMedia, Inc.         U.S.         95/002,376         9	/9/2012 /7/2014 /28/2014 224/2015 224/2015
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# **Patent License**



# 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.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/158,416	06/11/2011	Richard Lee Drysdale	ALI-001CIP1	9386
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			ART UNIT	PAPER NUMBER
			1744	
			MAIL DATE	DELIVERY MODE
			09/10/2015	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.

	A 11 11 N	A 1: 1/	`				
	Application No. 13/158,416	Applicant(s) DRYSDALE ET AL.					
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orresponden	ce address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS 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 <u>5/13/</u> A declaration(s)/affidavit(s) under <b>37 CFR 1.1</b>	<b>30(b)</b> was/were filed on						
· <u> </u>	action is non-final.						
3) An election was made by the applicant in response	•		ng the interview on				
; the restriction requirement and election	•						
4) Since this application is in condition for allowan closed in accordance with the practice under E	-						
Disposition of Claims*	, , , , , , , , , , , , , , , , , , ,						
5) Claim(s) <u>28,29,32-36 and 55-60</u> is/are pending	in the application						
5a) Of the above claim(s) is/are withdraw							
6) Claim(s) is/are allowed.							
7) Claim(s) <u>28,29,32-36 and 55-60</u> is/are rejected							
8) Claim(s) is/are objected to.							
9) Claim(s) are subject to restriction and/or	election requirement.						
* If any claims have been determined allowable, you may be eli	gible to benefit from the Patent Pros	secution High	ıway program at a				
participating intellectual property office for the corresponding ap	pplication. For more information, plea	ase see					
http://www.uspto.gov/patents/init_events/pph/index.jsp or send	an inquiry to PPHfeedback@uspto.c	<u>10V</u> .					
Application Papers							
10) The specification is objected to by the Examine	r.						
11) The drawing(s) filed on is/are: a) □ acce		Examiner.					
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	e 37 CFR 1.85	i(a).				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	jected to. See	37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119							
12) 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:							
<ol> <li>Certified copies of the priority document</li> </ol>	s have been received.						
<ol><li>Certified copies of the priority document</li></ol>	s have been received in Applicat	ion No	<u>_</u> .				
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)	3) Interview Summary	(PTO-413)					
Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/S	Paper No(s)/Mail Da						
Paper No(s)/Mail Date	4) Other:						

U.S. Patent and Trademark Office PTOL-326 (Rev. 11-13)

OL-326 (Rev. 11-13) Office Action Summary Part of Paper No./Mail Date 20150908

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Art Unit: 1744

1. The present application is being examined under the pre-AIA first to invent provisions.

#### **DETAILED ACTION**

- 2. The terminal disclaimers filed 5/13/15 have been approved.
- 3. The following is a quotation of pre-AIA 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 negatived by the manner in which the invention was made.
- 4. Claims 28-29, 32-36, and 55-60 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jensen et al (USPN 599867) in view of Wurzbacher et al (USPN 7326305). In regard to claim 28, Jensen et al teach the claimed process (col 2, In 48-col 3, In 65; and figures 2-2A) except performing the claimed inspection after molding the second protective layer; selectively removing the second protective layer; remolding the second protective layer. It should be noted that Jensen et al also teaches the framework of a data capable strapband configured to be worn (figs 7-9); and the outer molding protects the first protective layer (col 2, In 48-col 3, In 65; and figures 2-2A). Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of

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encapulant material removed is easily controlled without disturbing other adjacent or nearby areas, and then remolding the removed material in order to provide an approved final product (col 1, lns 5-12; col 4, lns 4-11; figs 1-2D). Since Jensen et al and Wurzbacher et al are analogous with respect to encapsulated semiconductors, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the inspection step taught by Wurzbacher et al into the process of Jensen et al in order to ensure the production of functional products. It should be noted that the controlled decapsulation taught by Wurzbacher et al makes capable the removal of the second protective layer of Jensen et al while retaining the first protective layer. In regard to claims 34 and 35, such are taught by Jensen et al (col 2, ln 48-col 3, ln 65; and figures 2-2A). In regard to claim 29, such quality assurance measures are wellknown in the molding art in order to ensure high quality products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to perform the claimed quality assurance measures in the process of Jensen et al (modified) in order to ensure the production of high quality products. In regard to claims 32-33 and 36, the use of a specific material is a mere obvious matter of choice dependent on the desired final product and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the claimed materials are well-known in encapsulant art in order to produce diverse, high-quality encapsulants. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the claimed materials in the process of Jensen et al in order to produce diverse products having desired qualities. In

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regard to claims 55-56, such are well-known in the molding and electronic arts in order to form aesthetically appealing products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the claimed designs into the second protective layer of Jensen et al (modified) in order to form aesthetically appeal products. In regard to claims 57-58, such is taught by the above combination of Jensen et al and Wurzbacher et al since Wurzbacher et al teach removing any undesired portions of the encapsulant. In regard to claims 59-60, such is taught by Jensen et al (col 2, ln 48-col 3, ln 65; and figures 2-2A).

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- 5. Applicant's arguments filed 5/13/15 have been fully considered but they are not persuasive. Without any reason, applicant merely argues that the prior art of record does not teach the claimed invention. As apparent from the above rejections, the claimed invention is not obvious over the prior art. It should be mentioned that secondary reference Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of encapulant material removed is easily controlled without disturbing other adjacent or nearby areas, and then remolding the removed material in order to provide an approved final product (col 1, lns 5-12; col 4, lns 4-11; figs 1-2D).
- 6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

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§ 706.07(a). 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 date of this final action.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND LEE whose telephone number is (571)272-1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571.272.1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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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.

EDMUND H. LEE Primary Examiner Art Unit 1744

EHL /EDMUND LEE/ Primary Examiner, Art Unit 1744

#### Application/Control No. Applicant(s)/Patent Under Reexamination Search Notes 13158416 DRYSDALE ET AL. Art Unit Examiner EDMUND LEE 1744

	CPC- SEARCHED	)	
	Symbol	Date	Examiner
	CPC COMBINATION SETS -	SEARCHED	
	Symbol	Date	Examiner
	US CLASSIFICATION SEA	ARCHED	
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Class	US CLASSIFICATION SEA	ARCHED	Examiner
Class			Examiner
Class		Date	Examiner
Class	Subclass	Date	Examiner

	INTERFERENCE SEARCH		
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

U.S. Patent and Trademark Office Part of Paper No.: 20150908 Doc code: RCEX Doc description: Request for Continued Examination (RCE)

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Request for Continued Examination (RCE)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL (Submitted Only via EFS-Web)							
Application Number	13158416	Filing Date	2011-06-11	Docket Number (if applicable)	ALI-001CIP1	Art Unit	9386
First Named Inventor	Richard Lee Drys	dale		Examiner Name	LEE, Edmund H.		
This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.  Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not comply with the requirements of 35 U.S.C. 371, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV.							
		S	UBMISSION REQ	UIRED UNDER 37	CFR 1.114		
in which they v	were filed unless a	applicant ins		applicant does not wi	nents enclosed with the RCE wi sh to have any previously filed u		
	v submitted. If a fir n even if this box			any amendments file	d after the final Office action ma	ay be con	sidered as a
Сог	nsider the argume	nts in the A	ppeal Brief or Reply	Brief previously filed	on		
Oth	ner 						
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Info	ormation Disclosur	e Statemer	nt (IDS)				
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				requested under 37 er 37 CFR 1.17(i) re	CFR 1.103(c) for a period of moquired)	onths _	
Other							
				FEES			
The Dire				FR 1.114 when the F ment of fees, or cred	RCE is filed. it any overpayments, to		
	S	SIGNATUR	RE OF APPLICAN	Γ, ATTORNEY, OF	AGENT REQUIRED		
	Practitioner Signa ant Signature	ature					

Doc code: RCEX

PTO/SB/30EFS (07-14)

Doc description: Request for Continued Examination (RCE)

Approved for use through 07/31/2016. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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.

	Signature of Registered U.S. Patent Practitioner				
Signature	ature /Kenneth R. Backus, Jr./ Date (YYYY-MM-DD) 2016-01-11				
Name	Kenneth R. Backus, Jr.	Registration Number	48861		

This collection of information is required by 37 CFR 1.114. 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 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, VA 22313-1450.

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

Electronic Patent Application Fee Transmittal						
Application Number:	13	13158416				
Filing Date:	11-	11-Jun-2011				
Title of Invention:	CO	MPONENT PROTEC	TIVE OVERMOLI	DING		
First Named Inventor/Applicant Name:	Ric	hard Lee Drysdale				
Filer:	Kei	nneth Robert Backu	s/Kate Cleland			
Attorney Docket Number:	AL	-001CIP1				
Filed as Large Entity						
Filing Fees for Utility under 35 USC 111(a)						
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:						

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Extension - 1 month with \$0 paid	1251	1	200	200		
Miscellaneous:						
RCE- 2nd and Subsequent Request	1820	1	1700	1700		
	Total in USD (\$)			1900		

Electronic Acknowledgement Receipt				
EFS ID:	24592959			
Application Number:	13158416			
International Application Number:				
Confirmation Number:	9386			
Title of Invention:	COMPONENT PROTECTIVE OVERMOLDING			
First Named Inventor/Applicant Name:	Richard Lee Drysdale			
Customer Number:	15516			
Filer:	Kenneth Robert Backus/Kate Cleland			
Filer Authorized By:	Kenneth Robert Backus			
Attorney Docket Number:	ALI-001CIP1			
Receipt Date:	11-JAN-2016			
Filing Date:	11-JUN-2011			
Time Stamp:	23:44:44			
Application Type:	Utility under 35 USC 111(a)			

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment Submitted/Entered with	ALI-001 CIP1_Response.pdf	156122	no	7
	Filing of CPA/RCE	ALFOOTCH 1_hesponse.pai	500a5cc34f8dc03852a4b7a904c35825ffb2 99e7	no 	,
Warnings:					
Information:					
2	Request for Continued Examination	ALI-001CIP1_RCE.pdf	29620	no	2
2	(RCE)	ALI OUTCH I_NCL.pul	81c9ff7b7780205cb90325a1d5593c00d79 61d7f	110	
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3	Fee Worksheet (SB06)	fee-info.pdf	32643	no	2
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#### National Stage of an International Application under 35 U.S.C. 371

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.

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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

In re the Application of:

Drysdale et al.

Application Serial No.: 13/158,416

Filing Date: June 11, 2011

For: COMPONENT PROTECTIVE

OVERMOLDING

Examiner: LEE, Edmund H.

Group Art Unit: 1744

Confirmation No.: 9386

Transmission Date: January 11, 2016

Atty. Docket No.: ALI-001CIP1

#### CERTIFICATE OF EFS-WEB TRANSMISSION

I hereby certify that this correspondence is being transmitted via the U.S. Patent and Trademark Office electronic filing system (EES-Web) to the

USPTO on January 11, 2016.

Signed:

#### **RESPONSE TO OFFICE ACTION**

Dear Sir or Madam:

Please find enclosed a complete, updated claim listing and remarks in response to the Final Office Action mailed September 10, 2015.

**CLAIM LISTING** 

Please amend claim 28 as indicated below.

1-27. (Cancelled)

28. (Currently Amended) A method, comprising:

selectively applying a protective material substantially over one or more elements

coupled to a framework of a data-capable strapband configured to be worn;

molding a first protective layer over the framework, the one or more elements, and the

protective material, after the protective material has been selectively applied, the first protective

layer being configured to cover the framework and each of the one or more elements;

molding an outer molding over the first protective layer when the first protective layer is

molded over the framework, the outer molding configured to protect the first protective layer, the

first protective layer outer molding being configured to cover the framework and to provide a

cosmetic surface configured to receive a pattern;

performing an inspection after molding the outer molding, the outer molding being

configured to be removed if a defect is detected during the inspection, and the first protective

layer being configured to be retained if the defect is detected during the inspection;

selectively removing, when the defect is detected, the outer molding; and

remolding another outer molding over the first protective layer to form a remolded outer

molding, the another outer molding including another cosmetic surface to receive the pattern.

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29. (Previously Presented) The method of Claim 28, further comprising performing an initial inspection after selectively applying the protective material.

- 30. (Cancelled).
- 31. (Cancelled).
- 32. (Previously Presented) The method of Claim 28, wherein the protective material comprises an ultra violet curable material.
- 33. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic.
- 34. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a polymer.
- 35. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises an elastomer.
- 36. (Previously Presented) The method of Claim 28, wherein the first protective layer comprises a thermoplastic elastomer.
- 37. 54. (Cancelled)

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Serial No.: 13/158,416

55. (Previously Presented) The method of Claim 28, further comprising forming a pattern

on the cosmetic surface of the remolded outer molding.

56. (Previously Presented) The method of Claim 55, wherein the pattern comprises at least

one of a miniature hill, a miniature valley, and a texture.

57. (Previously Presented) The method of Claim 28, wherein selectively removing the

outer molding comprises removing substantially all of the outer molding.

58. (Previously Presented) The method of Claim 28, wherein selectively removing the

outer molding comprises removing a sprue.

59. (Previously Presented) The method of Claim 28, wherein the outer molding comprises

at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an elastomer.

60. (Previously Presented) The method of Claim 59, wherein the first protective layer

comprises at least one of a plastic, a thermoplastic, a thermoplastic elastomer, a polymer, and an

elastomer.

#### **REMARKS**

Claims 28-29, 32-36, and 55-60 have been rejected. Upon entry of the present Response, claim 28is amended. Thus, claims 28-29, 32-36, and 55-60 remain pending. Support for the present amendments may be found, for example, in paragraph [0031] at p. 12, among other portions of the subject application. No new matter is added.

#### Section 103(a): Jensen in view of Wurzbacher.

Independent claim 28 and dependent claims 29, 32-36, and 55-60 have been rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Pat. No. 5,998,867 ("Jensen") in view of U.S. Pat. No. 7,326,305 ("Wurzbacher"). Upon entry of the present Response, claim 28 is patentable in view of the cited references. Applicant submits that the rejection directed to these claims is now moot.

#### Claim 28.

#### Amended claim 28 recites

molding an outer molding over the first protective layer when the first protective layer is molded over the framework, the outer molding configured to protect the first protective layer, the outer molding being configured to cover the framework and to provide a cosmetic surface configured to receive a pattern[,] performing an inspection after molding the outer molding, the outer molding being configured to be removed if a defect is detected during the inspection, and the first protective layer being configured to be retained if the defect is detected during the inspection[,] selectively removing, when the defect is detected, the outer molding [,] and remolding another outer molding over the first protective layer to

Atty. Docket No.: ALI-001CIP1

Serial No.: 13/158,416

form a remolded outer molding, the another outer molding

including another cosmetic surface to receive the pattern.

Claim 28 is amended to further clarify the claimed subject matter that is novel and non-

obvious, whereby various portions of the claimed subject matter are neither taught nor suggest

by the combination of Jensen and Wurzbacher. For example, nowhere does Jensen teach or

suggest a "remolding another outer molding over the first protective layer to form a remolded

outer molding, the another outer molding including another cosmetic surface to receive the

pattern[,]" among other new and non-obvious claim elements. Therefore, persons ordinarily

skilled in the art cannot be said to have been taught to modify Jensen and Wurzbacher to include

combine respective teachings without undue experimentation to arrive at the claimed

combinations.

As such, Jensen and Wurzbacher, whether considered individually or in combination, fail

to teach or suggest the combination of claimed elements, and, thus, cannot be used to obtain the

claimed combination set forth in claim 28. Therefore, withdrawal of the §103(a) rejection in

connection with this claim is respectfully requested.

**Dependent Claims 29, 32-36, and 55-60.** 

Upon entry of the present Response, dependent claims 29, 32-36, and 55-60 depend on

allowable claim 28 and thus are allowable for the same reasons. Applicant submits that the

rejection directed to these claims is now moot.

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Conclusion

In view of the foregoing, Applicant respectfully submits that upon entry of the present

Amendment, the pending claims include allowable subject matter.

Applicants wish to reserve the right to pursue the withdrawn and canceled subject matter,

as well as other subject matter supported by the specification, by filing a divisional or

continuation application. No new matter has been added. Applicants again wish to note that the

cited figures do not exhaustively define the scope of the restricted claimed subject matter, but

rather illustrate a few of the many various implementations. As such, the scope of the claimed

subject matter is broader than is depicted in the figures corresponding to the Applicants' election.

Upon allowance of a generic claim, Applicants reserve the right to add claims written in

dependent form or that otherwise include all limitations of the allowed generic claim.

If the Examiner believes it would be appropriate to discuss the issues to further the

prosecution in this case, the Examiner is invited to call the undersigned.

Respectfully submitted,

FOR KOKKA & BACKUS, PC

By: /Kenneth R. Backus, Jr./

Kenneth R. Backus, Jr.

Reg. No. 48,861

KOKKA & BACKUS, PC 703 High Street

Palo Alto, CA 94301

Tel: (650) 566-9919

Fax: (650) 566-9922

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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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						or Docket Number /158,416	Filing Date 06/11/2011	To be Mailed	
	ENTITY:   LARGE   SMALL   MICRO								
				APPLICA	ATION AS FIL	ED – PAR	ΤΙ		1
			(Column	1)	(Column 2)				
FOR NUMBE		NUMBER FIL	ILED NUMBER EXTRA			RATE (\$)	F	EE (\$)	
BASIC FEE (37 CFR 1.16(a), (b), or (c))		or (c))	N/A		N/A		N/A		
SEARCH FEE (37 CFR 1.16(k), (i), or (m))		or (m))	N/A		N/A		N/A		
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))			N/A		N/A	N/A			
	TAL CLAIMS CFR 1.16(i))		minus 20 = *			X \$ =			
	EPENDENT CLAIM CFR 1.16(h))	S	m	minus 3 = *			X \$ =		
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							TOTAL ADD'L FE	E	
** If *** I	* 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.								

This collection of information is required by 37 CFR 1.16. 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
13/158,416	06/11/2011	Richard Lee Drysdale	ALI-001CIP1	9386	
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703 High Stree Palo Alto, CA	t		LEE, EDMUND H		
			ART UNIT	PAPER NUMBER	
			1744		
			MAIL DATE	DELIVERY MODE	
			01/29/2016	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.

	<b>Application No.</b> 13/158,416	Applicant(s) DRYSDALE ET AL.			
Office Action Summary	Examiner EDMUND LEE	Art Unit 1744	AIA (First Inventor to File) Status No		
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orresponden	ice address		
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS 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 1/11/16.  A declaration(s)/affidavit(s) under 37 CFR 1.130(b) was/were filed on  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) 28,29,32-36 and 55-60 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) 28,29,32-36 and 55-60 is/are rejected. 8) Claim(s) is/are objected to. 9) Claim(s) are subject to restriction and/or election requirement. * If any claims have been determined allowable, 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 <a href="http://www.uspto.gov/patents/init_events/pph/index.jsp">http://www.uspto.gov/patents/init_events/pph/index.jsp</a> or send an inquiry to PPHfeedback@uspto.gov.  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).					
Priority under 35 U.S.C. § 119  12) 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)).  *** See the attached detailed Office action for a list of the certified copies not received.					
dee the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892)	3) Interview Summary	(PTO-413)			
2) Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/S Paper No(s)/Mail Date	Paper No(s)/Mail Da 4) Other:	ate			

U.S. Patent and Trademark Office PTOL-326 (Rev. 11-13) Application/Control Number: 13/158,416 Page 2

Art Unit: 1744

1. The present application is being examined under the pre-AIA first to invent provisions.

#### **DETAILED ACTION**

- 2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/11/16 has been entered.
- 3. The following is a quotation of pre-AIA 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 negatived by the manner in which the invention was made.
- 4. Claims 28-29, 32-36, and 55-60 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Jensen et al (USPN 5998867) in view of Wurzbacher et al (USPN 7326305). In regard to claim 28, Jensen et al teach the claimed process (col 2, In 48-col 3, In 65; and figures 2-2A) except performing the claimed inspection after molding the outer molding; selectively removing the outer molding; remolding the outer

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molding, wherein the outer molding includes another cosmetic surface to receive the pattern. It should be noted that Jensen et al also teaches the framework of a data capable strapband configured to be worn (figs 7-9); and the outer molding protects the first protective layer (col 2, ln 48-col 3, ln 65; and figures 2-2A). Wurzbacher et al teach a process for decapsulating semiconductor articles for purposes including visual inspection and/or failure analysis, wherein the amount of encapulant material removed is easily controlled without disturbing other adjacent or nearby areas, and then remolding the removed material in order to provide an approved final product (col 1, Ins 5-12; col 4, Ins 4-11; figs 1-2D). It should be noted that the remolding of Wurzbacher et al is identical to the original molding, thus it would have the same surfaces. Since Jensen et al and Wurzbacher et al are analogous with respect to encapsulated semiconductors, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the inspection step taught by Wurzbacher et al into the process of Jensen et al in order to ensure the production of functional products. It should be noted that the controlled decapsulation taught by Wurzbacher et al makes capable the removal of the second protective layer of Jensen et al while retaining the first protective layer. It should also be noted that the remolded outer molding of Jensen et al would have a cosmetic surface since the original outer molding had a cosmetic surface. In regard to claims 34 and 35, such are taught by Jensen et al (col 2, ln 48-col 3, In 65; and figures 2-2A). In regard to claim 29, such quality assurance measures are well-known in the molding art in order to ensure high quality products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made

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to perform the claimed quality assurance measures in the process of Jensen et al (modified) in order to ensure the production of high quality products. In regard to claims 32-33 and 36, the use of a specific material is a mere obvious matter of choice dependent on the desired final product and of little patentable consequence to the claimed process since it is not a manipulative feature or step of the claimed process. Further, the claimed materials are well-known in encapsulant art in order to produce diverse, high-quality encapsulants. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to use the claimed materials in the process of Jensen et al in order to produce diverse products having desired qualities. In regard to claims 55-56, such are well-known in the molding and electronic arts in order to form aesthetically appealing products. Thus, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the claimed designs into the second protective layer of Jensen et al (modified) in order to form aesthetically appeal products. In regard to claims 57-58, such is taught by the above combination of Jensen et al and Wurzbacher et al since Wurzbacher et al teach removing any undesired portions of the encapsulant. In regard to claims 59-60, such is taught by Jensen et al (col 2, ln 48-col 3, ln 65; and figures 2-2A).

5. Applicant's arguments filed 1/11/16 have been fully considered but they are not persuasive. Applicant argues the prior art of record does not teach the another outer molding having another cosmetic surface. This argument is misplaced because the remolded outer molding of Jensen et al as taught by Wurzbacher et al would have the

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same surfaces as the original outer molding since it is a remolding that is meant to replace the outer molding. Since the original outer molding of Jensen et al had a cosmetic surface, the remolded outer surface would also have a cosmetic surface.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to EDMUND LEE whose telephone number is (571)272-1204. The examiner can normally be reached on MONDAY-THURSDAY FROM 9AM-4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on 571.272.1316. 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.

EDMUND H. LEE

Application/Control Number: 13/158,416 Page 6

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Primary Examiner Art Unit 1744

EHL
/EDMUND LEE/
Primary Examiner, Art Unit 1744

# Search Notes 13158416 Examiner EDMUND LEE Application/Control No. Applicant(s)/Patent Under Reexamination DRYSDALE ET AL. Art Unit 1744

	CPC- SEARCHE	D	
	Symbol	Date	Examiner
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	CPC COMBINATION SETS	- SEARCHED	
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	US CLASSIFICATION SE	EARCHED	
Class	Subclass	Date	Examiner
	SEARCH NOTE	S	
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updated updated	Search Notes	9/8/15 1/25/16	ehl ehl

	INTERFERENCE SEARCH		
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

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