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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/499,619	04/27/2017	Ammar Al-Ali	MASIMO.317C9	3723

64735 7590 07/03/2017
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EXAMINER

WINAKUR, ERIC FRANK

ART UNIT	PAPER NUMBER
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3735

NOTIFICATION DATE	DELIVERY MODE
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07/03/2017

ELECTRONIC

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.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

jayna.cartee@knobbe.com
efiling@knobbe.com

Notice of References Cited	Application/Control No. 15/499,619		Applicant(s)/Patent Under Reexamination AL-ALI, AMMAR	
	Examiner Eric Winakur		Art Unit 3735	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,241,684 B1	06-2001	Amano; Kazuhiko	A61B5/02438	600/503
*	B	US-6,516,289 B2	02-2003	David; Daniel	A61B5/04085	600/300
	C	US-				
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

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

First Action Interview Pilot Program Pre-Interview Communication	Application No. 15/499,619	Applicant(s) AL-ALI, AMMAR	
	Examiner Eric Winakur	Art Unit 3735	AIA (First Inventor to File) Status No

-The MAILING OR NOTIFICATION DATE of this communication appears on the cover sheet with the correspondence address -
THE SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE **ONE MONTH OR THIRTY (30) DAYS**,
WHICHEVER IS LONGER, FROM THE MAILING OR NOTIFICATION DATE OF THIS COMMUNICATION.

This time period for reply is extendable under 37 CFR 1.136(a) for only ONE additional MONTH.

This communication constitutes notice under 37 CFR 1.136(a)(1)(i).

Applicant must, within the time period for reply, file: (1) A letter requesting not to have a first action interview; (2) A reply under 37 CFR 1.111 waiving the first action interview and First Action Interview Office Action; or (3) An Applicant Initiated Interview Request Form (PTOL-413A) electronically via EFS-Web, accompanied by a proposed amendment or arguments, and schedule the interview within 2 months from the filing of the request. A failure to respond to this communication will be treated as a request not to have an interview. If applicant waives the First Action Interview Office Action, the instant Pre-Interview Communication is deemed the first Office Action on the Merits. The next subsequent Office action may be made final if appropriate. See MPEP 706.07(a).

Status

1) ☒ Responsive to communication(s) filed on 5/22/17.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

Disposition of Claims

2) ☒ Claim(s) 2-13 and 15-22 is/are pending in the application.
2a) Of the above claim(s) _____ is/are withdrawn from consideration.

3) ☐ Claim(s) _____ is/are allowed.

4) ☒ Claim(s) 2-13 and 15-22 is/are rejected.

5) ☐ Claim(s) _____ is/are objected to.

6) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

7) ☐ The specification is objected to by the Examiner.

8) ☐ 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

9) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

*See the attached detailed Office action for a list of the certified copies not received.

Contact Information

Examiner's Telephone Number: (571)272-4736
Examiner's Typical Work Schedule: M-F; 9-5:30

Supervisor's Name: Patricia Mallari
Supervisor's Telephone Number: _____

Attachment(s) 1) ☒ Notice of References Cited (PTO-892) 2) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>5/2/17 (2 papers)</u> .	3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____. 4) ☐ Other: _____.
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First Action Interview Pilot Program Pre-Interview Communication	Application No. 15/499,619		Applicant(s) AL-ALI, AMMAR	
	Examiner Eric Winakur		Art Unit 3735	AIA (First Inventor to File) Status No

Notification of Rejection(s) and/or Objection(s)

#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection
1	7, 10-12, 16		101	The claims improperly define the structure in positive relationship with a portion/body part of a living being.
2	3-7		112, 2	The claims relate to details of the pulse oximetry sensor; however, the sensor is not a positively recited element of the invention, and thus the claims do not further limit any positively claimed structures.
3	2-9	A	102(e)	Amano (Ref A) teaches a wearable measurement arrangement (Figures 5, 29 - 39 and the descriptions thereof), including a wrist worn processing element and sensor "configured to be" positioned on a finger or thumb
4	10-12, 15-22	A, 75, B, 314	103	A does not teach: 1) measurement and processing of oximetry data (as optical measurement of pulse data is taught), 2) measurement of additional physiological data with ECG, BP sensors, or

Expanded Discussion/Commentary

3		of the subject. The sensor provides data to the processing element through a connector (70).
4		3) wireless RF-based telemetry of the physiological information.
4		With regard to item 1), Applicant cited reference 75 (Mathews - 5,431,170) at Figure 2 and Summary of the Invention, teaches that measurement of a second wavelength permits calculation of oxygen saturation in addition to heart rate data from a sensor positioned at the same location. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Amano to use the sensor of Mathews to obtain data for calculation of an additional parameter of interest.
4		With regard to item 2), reference B (David) teaches an alternate wearable arrangement (Figures 2, 6 and the descriptions thereof) for measuring oxygen saturation and additional physiological parameters of interest, including ECG and blood pressure. It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the combination of Amano and Mathews, to measure and process additional parameters of interest, consistent
4		with David. Further, one of skill in the art would recognize that additional connectors of Amano could be included in the wrist wearable member to permit connection between the processor and the additional sensors.
DATE:		

First Action Interview Pilot Program Pre-Interview Communication		Application No. 15/499,619		Applicant(s) AL-ALI, AMMAR	
		Examiner Eric Winakur		Art Unit 3735	AIA (First Inventor to File) Status No
Notification of Rejection(s) and/or Objection(s)					
#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection	
5	2-9	Copending app 15/499,619	Prov Obv DP	Co-pending application claims 2, 6 - 9, 11, and 12 are directed to a parallel arrangement to that of claims 2 - 9 of the instant application.	
6	2-6, 15-22	Copending app 15/494,967	Prov Obv DP	Co-pending application claims 2, 5 - 8, and 22 are directed to a parallel arrangement to that of claims 2 - 6 and 15 - 22 of the instant application.	

Expanded Discussion/Commentary		
4		With regard to item 3), Amano (Figure 29) indicates that data can be transmitted between the wrist worn element and a remote monitor, but does not teach the use of RF type telemetry. Applicant cited reference 314 (Khair - 6,897,788), Figures 3 - 5 and the descriptions thereof, teaches a manner to transmit physiological data to a remote monitor, including multiplexing and modulation of the data as part of the transmission. It would have been within the skill level of the art to further modify the combination to use the telemetry techniques of
4		Khair to wirelessly send the physiological data to a remote location.
4		Additionally, without a showing of unexpected results or criticality, it would have been within the skill level of the art to implement the combination using known elements such as rechargeable batteries.
5		The claims of the instant application are broader than those of the copending application. Thus, any invention meeting the limitations of the claims of the copending application would necessarily meet those of the instant application as well.
6		The claims of the instant application are broader than those of the copending application. Thus, any invention meeting the limitations of the claims of the copending application would necessarily meet those of the instant application as well.
DATE:		

First Action Interview Pilot Program Pre-Interview Communication		Application No. 15/499,619		Applicant(s) AL-ALI, AMMAR	
		Examiner Eric Winakur		Art Unit 3735	AIA (First Inventor to File) Status No
Notification of Rejection(s) and/or Objection(s)					
#	Claim(s)	Reference(s) (if applicable)	Rejection Statutory Basis	Brief Explanation of Rejection	
7	2-6	Copending app 15/499,716	Prov Obv DP	Co-pending application 15/499,716 claim 2 is directed to a parallel arrangement to that of claims 2 -6 of the instant application.	

Expanded Discussion/Commentary		
7		The claims of the instant application are generally broader than those of the copending application, and therefore any invention meeting the limitations of the claims of the copending application would necessarily meet those of the instant application as well.
DATE: 23 June, 2017		/Eric Winakur/ Primary Examiner, Art Unit 3735

Notice of References Cited	Application/Control No. 15/499,619		Applicant(s)/Patent Under Reexamination AL-ALI, AMMAR	
	Examiner Eric Winakur		Art Unit 3735	Page 1 of 1

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 1 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	RE38,476	03-30-2004	Diab et al.	
	2	RE38,492	04-06-2004	Diab et al.	
	3	RE39,672	06-05-2007	Shehada et al.	
	4	RE41,236	04-20-2010	Seely	
	5	RE41,317	05-04-2010	Parker	
	6	RE41,912	11-02-2010	Parker	
	7	RE42,753	09-27-2011	Kiani-Azarbayjany et al.	
	8	RE43,169	02-07-2012	Parker	
	9	RE43,860	12-11-2012	Parker	
	10	RE44,823	04-01-2014	Parker	
	11	RE44,875	04-29-2014	Kiani et al.	
	12	D353,195	12-06-1994	Savage et al.	
	13	D353,196	12-06-1994	Savage et al.	
	14	D357,982	05-02-1995	Dahl et al.	
	15	D359,546	06-20-1995	Savage et al.	
	16	D361,840	08-29-1995	Savage et al.	
	17	D362,063	09-05-1995	Savage et al.	
	18	D363,120	10-10-1995	Savage et al.	
	19	D393,830	04-28-1998	Tobler et al.	
	20	D437,058	01-30-2001	Gozani	
	21	D483,872	12-16-2003	Cruz et al.	
	22	D554,263	10-30-2007	Al-Ali	
	23	D566,282	04-08-2008	Al-Ali et al.	
	24	D587,657	03-03-2009	Al-Ali et al.	
	25	D606,659	12-22-2009	Kiani et al.	
	26	D609,193	02-02-2010	Al-Ali et al.	
	27	D614,305	04-20-2010	Al-Ali et al.	
	28	D621,515	08-10-2010	Chua et al.	
	29	D621,516	08-10-2010	Kiani et al.	

Examiner Signature	Date Considered
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	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	D659,836	05-15-2012	Bensch et al.	
	31	D679,018	03-26-2013	Fullerton et al.	
	32	D692,145	10-22-2013	Al-Ali et al.	
	33	D709,846	07-29-2014	Oswaks	
	34	D745,167	12-08-2015	Canas et al.	
	35	D755,392	05-03-2016	Hwang et al.	
	36	3,646,606	02-29-1972	Buxton et al.	
	37	3,690,313	09-12-1972	Weppner et al.	
	38	3,810,102	05-07-1974	Parks III, et al.	
	39	3,815,583	06-11-1974	Scheidt	
	40	3,972,320	08-03-1976	Kalman	
	41	3,978,849	09-07-1976	Geneen	
	42	4,108,166	08-22-1978	Schmid	
	43	4,231,354	11-04-1980	Kurtz et al.	
	44	4,589,415	05-20-1986	Haaga	
	45	4,662,378	05-05-1987	Thomis	
	46	4,838,275	06-13-1989	Lee	
	47	4,852,570	08-01-1989	Levine	
	48	4,960,128	10-02-1990	Gordon et al.	
	49	4,964,408	10-23-1990	Hink et al.	
	50	5,041,187	08-20-1991	Hink et al.	
	51	5,069,213	12-03-1991	Polczynski	
	52	5,092,340	03-03-1992	Yamaguchi et al.	
	53	5,140,519	08-18-1992	Friesdorf et al.	
	54	5,159,932	11-03-1992	Zanetti et al.	
	55	5,161,539	11-10-1992	Evans et al.	
	56	5,163,438	11-17-1992	Gordon et al.	
	57	5,262,944	11-16-1993	Weisner et al.	
	58	5,277,189	01-11-1994	Jacobs	

Examiner Signature	Date Considered
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	Art Unit	2685
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SHEET 3 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	5,278,627	01-11-1994	Aoyagi et al.	
	60	5,282,474	02-01-1994	Valdes Sosa et al.	
	61	5,296,688	03-22-1994	Hamilton et al.	
	62	5,318,037	06-07-1994	Evans et al.	
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	64	5,331,549	07-19-1994	Crawford, Jr.	
	65	5,333,106	07-26-1994	Lanpher et al.	
	66	5,337,744	08-16-1994	Branigan	
	67	5,341,805	08-30-1994	Stavridi et al.	
	68	5,348,008	09-20-1994	Bornn et al.	
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	70	5,375,599	12-27-1994	Shimizu	
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	72	5,377,676	01-03-1995	Vari et al.	
	73	5,400,794	03-28-1995	Gorman	
	74	5,416,695	05-16-1995	Stutman et al.	
	75	5,431,170	07-11-1995	Mathews	
	76	5,434,611	07-18-1995	Tamura	
	77	5,452,717	09-26-1995	Branigan et al.	
	78	5,456,252	10-10-1995	Vari et al.	
	79	5,479,934	01-02-1996	Imran	
	80	5,482,036	01-09-1996	Diab et al.	
	81	5,483,968	01-16-1996	Adam et al.	
	82	5,490,505	02-13-1996	Diab et al.	
	83	5,494,041	02-27-1996	Wilk	
	84	5,494,043	02-27-1996	O'Sullivan et al.	
	85	5,503,149	04-02-1996	Beavin	
	86	5,505,202	04-09-1996	Mogi et al.	
	87	5,533,511	07-09-1996	Kaspari et al.	

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SHEET 4 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	88	5,534,851	07-09-1996	Russek	
	89	5,537,289	07-16-1996	Dahl	
	90	5,544,649	08-13-1996	David et al.	
	91	5,553,609	09-10-1996	Chen et al.	
	92	5,558,638	09-24-1996	Evers et al.	
	93	5,561,275	10-01-1996	Savage et al.	
	94	5,562,002	10-08-1996	Lalin	
	95	5,566,676	10-22-1996	Rosenfeldt et al.	
	96	5,576,952	11-19-1996	Stutman et al.	
	97	5,579,001	11-26-1996	Dempsey et al.	
	98	5,590,649	01-07-1997	Caro et al.	
	99	5,602,924	02-11-1997	Durand et al.	
	100	5,619,991	04-15-1997	Sloane	
	101	5,632,272	05-27-1997	Diab et al.	
	102	5,638,816	06-17-1997	Kiani-Azarbayjany et al.	
	103	5,638,818	06-17-1997	Diab et al.	
	104	5,640,967	06-24-1997	Fine et al.	
	105	5,645,440	07-08-1997	Tobler et al.	
	106	5,685,299	11-11-1997	Diab et al.	
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	108	5,687,717	11-18-1997	Halpern et al.	
	109	5,694,020	12-02-1997	Lang et al.	
	110	5,724,580	03-03-1998	Levin et al.	
	111	5,724,983	03-10-1998	Selker et al.	
	112	5,725,308	03-10-1998	Smith et al.	
	113	5,734,739	03-31-1998	Sheehan et al.	
	114	5,743,262	04-28-1998	Lepper, Jr. et al.	
	115	5,758,079	05-26-1998	Ludwig et al.	
	116	5,758,644	06-02-1998	Diab et al.	

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	117	5,760,910	06-02-1998	Lepper, Jr. et al.	
	118	5,769,785	06-23-1998	Diab et al.	
	119	5,772,585	06-30-1998	Lavin et al.	
	120	5,782,757	07-21-1998	Diab et al.	
	121	5,782,805	07-21-1998	Meinzer	
	122	5,785,659	07-28-1998	Caro et al.	
	123	5,791,347	08-11-1998	Flaherty et al.	
	124	5,801,637	09-01-1998	Lomholt Ole	
	125	5,810,734	09-22-1998	Caro et al.	
	126	5,813,403	09-29-1998	Soller et al.	
	127	5,822,544	10-13-1998	Chaco et al.	
	128	5,822,546	10-13-1998	George	
	129	5,823,950	10-20-1998	Diab et al.	
	130	5,829,723	11-03-1998	Brunner	
	131	5,830,131	11-03-1998	Caro et al.	
	132	5,833,618	11-10-1998	Caro et al.	
	133	5,855,550	01-05-1999	Lai et al.	
	134	5,860,919	01-19-1999	Kiani-Azarbayjany et al.	
	135	5,876,351	03-02-1999	Rohde	
	136	5,890,929	04-06-1999	Mills et al.	
	137	5,904,654	05-18-1999	Wohltmann et al.	
	138	5,910,139	06-08-1999	Cochran et al.	
	139	5,919,134	07-06-1999	Diab	
	140	5,921,920	07-13-1999	Marshall et al.	
	141	5,924,074	07-13-1999	Evans	
	142	5,931,160	08-03-1999	Gilmore et al.	
	143	5,931,791	08-03-1999	Saltzstein et al.	
	144	5,934,925	08-10-1999	Tobler et al.	
	145	5,940,182	08-17-1999	Lepper, Jr. et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	146	5,942,986	08-24-1999	Shabot et al.	
	147	5,987,519	11-16-1999	Peifer et al.	
	148	5,995,855	11-30-1999	Kiani et al.	
	149	5,997,343	12-07-1999	Mills et al.	
	150	6,002,952	12-14-1999	Diab et al.	
	151	6,006,119	12-21-1999	Soller et al.	
	152	6,011,986	01-04-2000	Diab et al.	
	153	6,014,346	01-11-2000	Malone	
	154	6,018,673	01-25-2000	Chin et al.	
	155	6,024,699	02-15-2000	Surwit et al.	
	156	6,027,452	02-22-2000	Flaherty et al.	
	157	6,032,678	03-07-2000	Rottem	
	158	6,035,230	03-07-2000	Kang et al.	
	159	6,036,642	03-14-2000	Diab et al.	
	160	6,036,718	03-14-2000	Ledford et al.	
	161	6,045,509	04-04-2000	Caro et al.	
	162	6,045,527	04-04-2000	Appelbaum et al.	
	163	6,057,758	05-02-2000	Dempsey et al.	
	164	6,067,462	05-23-2000	Diab et al.	
	165	6,081,735	06-27-2000	Diab et al.	
	166	6,088,607	07-11-2000	Diab et al.	
	167	6,093,146	07-25-2000	Filangeri	
	168	6,101,478	08-08-2000	Brown	
	169	6,106,463	08-22-2000	Wilk	
	170	6,110,522	08-29-2000	Lepper, Jr. et al.	
	171	6,124,597	09-26-2000	Shehada	
	172	6,128,521	10-03-2000	Marro et al.	
	173	6,129,675	10-10-2000	Jay	
	174	6,132,218	10-17-2000	Benja-Athon	

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	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	175	6,139,494	10-31-2000	Cairnes	
	176	6,144,868	11-07-2000	Parker	
	177	6,151,516	11-21-2000	Kiani-Azarbayjany et al.	
	178	6,152,754	11-28-2000	Gerhardt et al.	
	179	6,157,850	12-05-2000	Diab et al.	
	180	6,165,005	12-26-2000	Mills et al.	
	181	6,167,258	12-26-2000	Schmidt et al.	
	182	6,168,563	01-02-2001	Brown	
	183	6,171,237	01-09-2001	Avitall et al.	
	184	6,175,752	01-16-2001	Say et al.	
	185	6,183,417	02-06-2001	Gehab et al.	
	186	6,184,521	02-06-2001	Coffin, IV et al.	
	187	6,185,448	02-06-2001	Borovsky	
	188	6,195,576	02-27-2001	John	
	189	6,206,830	03-27-2001	Diab et al.	
	190	6,221,012	04-24-2001	Maschke et al.	
	191	6,224,553	05-01-2001	Nevo	
	192	6,229,856	05-08-2001	Diab et al.	
	193	6,230,142	05-08-2001	Benigno et al.	
	194	6,232,609	05-15-2001	Snyder et al.	
	195	6,236,872	05-22-2001	Diab et al.	
	196	6,241,683	06-05-2001	Macklem, et al.	
	197	6,251,113	06-26-2001	Appelbaum	
	198	6,253,097	06-26-2001	Aronow et al.	
	199	6,256,523	07-03-2001	Diab et al.	
	200	6,263,222	07-17-2001	Diab et al.	
	201	6,267,723	07-31-2001	Matsumura et al.	
	202	6,269,262	07-31-2001	Kandori et al.	
	203	6,278,522	08-21-2001	Lepper, Jr. et al.	

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	First Named Inventor	Ammar Al-Ali
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	204	6,280,213	08-28-2001	Tobler et al.	
	205	6,285,896	09-04-2001	Tobler et al.	
	206	6,301,493	10-09-2001	Marro et al.	
	207	6,304,767	10-16-2001	Soller et al.	
	208	6,312,378	11-06-2001	Bardy	
	209	6,317,627	11-13-2001	Ennen et al.	
	210	6,321,100	11-20-2001	Parker	
	211	6,322,502	11-27-2001	Schoenberg et al.	
	212	6,325,761	12-04-2001	Jay	
	213	6,329,139	12-11-2001	Nova et al.	
	214	6,334,065	12-25-2001	Al-Ali et al.	
	215	6,338,039	01-08-2002	Lonski et al.	
	216	6,343,224	01-29-2002	Parker	
	217	6,349,228	02-19-2002	Kiani et al.	
	218	6,352,504	03-05-2002	Ise	
	219	6,354,235	03-12-2002	Davies, Roberty C.	
	220	6,360,114	03-19-2002	Diab et al.	
	221	6,364,834	04-02-2002	Reuss et al.	
	222	6,364,839	04-02-2002	Little et al.	
	223	6,368,283	04-09-2002	Xu et al.	
	224	6,371,921	04-16-2002	Caro et al.	
	225	6,377,829	04-23-2002	Al-Ali	
	226	6,385,476	05-07-2002	Osadchy et al.	
	227	6,385,589	05-07-2002	Trusheim et al.	
	228	6,388,240	05-14-2002	Schulz et al.	
	229	6,397,091	05-28-2002	Diab et al.	
	230	6,407,335	06-18-2002	Franklin-Lees	
	231	6,430,437	08-06-2002	Marro	
	232	6,430,525	08-06-2002	Weber et al.	

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	First Named Inventor	Ammar Al-Ali
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	233	6,463,311	10-08-2002	Diab	
	234	6,470,199	10-22-2002	Kopotic et al.	
	235	6,470,893	10-29-2002	Boesen, Peter V.	
	236	6,501,975	12-31-2002	Diab et al.	
	237	6,505,059	01-07-2003	Kollias, et al.	
	238	6,515,273	02-04-2003	Al-Ali	
	239	6,519,487	02-11-2003	Parker	
	240	6,524,240	02-25-2003	Thede, Roger C.	
	241	6,525,386	02-25-2003	Mills et al.	
	242	6,526,300	02-25-2003	Kiani et al.	
	243	6,541,756	04-01-2003	Schulz et al.	
	244	6,542,764	04-01-2003	Al-Ali et al.	
	245	6,544,173	04-08-2003	West et al.	
	246	6,544,174	04-08-2003	West et al.	
	247	6,551,243	04-22-2003	Bocionek et al.	
	248	6,578,428	06-17-2003	Dromms et al.	
	249	6,580,086	06-17-2003	Schulz et al.	
	250	6,584,336	06-24-2003	Ali et al.	
	251	6,595,316	07-22-2003	Cybulski et al.	
	252	6,597,932	07-22-2003	Tian et al.	
	253	6,597,933	07-22-2003	Kiani et al.	
	254	6,606,511	08-12-2003	Ali et al.	
	255	6,616,606	09-09-2003	Peterson et al.	
	256	6,632,181	10-14-2003	Flaherty et al.	
	257	6,639,668	10-28-2003	Trepagnier, Pierre	
	258	6,640,116	10-28-2003	Diab	
	259	6,641,533	11-04-2003	Causey et al.	
	260	6,643,530	11-04-2003	Diab et al.	
	261	6,646,556	11-11-2003	Smith et al.	

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	First Named Inventor	Ammar Al-Ali
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SHEET 10 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	262	6,650,917	11-18-2003	Diab et al.	
	263	6,650,939	11-18-2003	Takpke, II et al.	
	264	6,654,624	11-25-2003	Diab et al.	
	265	6,658,276	12-02-2003	Kianl et al.	
	266	6,661,161	12-09-2003	Lanzo et al.	
	267	6,663,570	12-16-2003	Mott et al.	
	268	6,671,531	12-30-2003	Al-Ali et al.	
	269	6,678,543	01-13-2004	Diab et al.	
	270	6,684,090	01-27-2004	Ali et al.	
	271	6,684,091	01-27-2004	Parker	
	272	6,694,180	02-17-2004	Boesen, Peter V.	
	273	6,697,656	02-24-2004	Al-Ali	
	274	6,697,657	02-24-2004	Shehada, et al.	
	275	6,697,658	02-24-2004	Al-Ali	
	276	6,699,194	03-02-2004	Diab et al.	
	277	6,714,804	03-30-2004	Al-Ali et al.	
	278	6,719,694	04-13-2004	Weng et al.	
	279	6,721,582	04-13-2004	Trepagnier, et al.	
	280	6,721,585	04-13-2004	Parker	
	281	6,725,075	04-20-2004	Al-Ali	
	282	6,725,086	04-20-2004	Marinello	
	283	6,728,560	04-27-2004	Kollias, et al.	
	284	6,735,459	05-11-2004	Parker	
	285	6,745,060	06-01-2004	Diab et al.	
	286	6,746,406	07-07-2015	Wawro	
	287	6,750,463	06-15-2004	Riley	
	288	6,751,492	06-15-2004	Ben-haim, Shlomo	
	289	6,760,607	07-06-2004	Al-Ali	
	290	6,766,188	07-20-2004	Soller	

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	First Named Inventor	Ammar Al-Ali
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SHEET 11 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	291	6,770,028	08-03-2004	Ali et al.	
	292	6,771,994	08-03-2004	Kiani et al.	
	293	6,783,492	08-31-2004	Dominguez	
	294	6,790,178	09-14-2004	Mault et al.	
	295	6,792,300	09-14-2004	Diab et al.	
	296	6,795,724	09-21-2004	Hogan	
	297	6,796,186	09-28-2004	Lia et al.	
	298	6,804,656	10-12-2004	Rosenfeld	
	299	6,807,050	10-19-2004	Whitehorn et al.	
	300	6,813,511	11-02-2004	Diab et al.	
	301	6,816,741	11-09-2004	Diab	
	302	6,817,979	11-16-2004	Nihtila et al.	
	303	6,822,564	11-23-2004	Al-Ali	
	304	6,826,419	11-30-2004	Diab et al.	
	305	6,830,711	12-14-2004	Mills et al.	
	306	6,837,848	01-04-2005	Bonner et al.	
	307	6,841,535	01-11-2005	Divita et al.	
	308	6,850,787	02-01-2005	Weber et al.	
	309	6,850,788	02-01-2005	Al-Ali	
	310	6,852,083	02-08-2005	Caro et al.	
	311	6,855,112	02-15-2005	Kao et al.	
	312	6,860,266	03-01-2005	Blike	
	313	6,861,639	03-01-2005	Al-Ali	
	314	6,897,788	05-24-2005	Khair et al.	
	315	6,898,452	05-24-2005	Al-Ali et al.	
	316	6,907,237	06-14-2005	Dorenbosch et al.	
	317	6,915,149	07-05-2005	Ben-haim	
	318	6,920,345	07-19-2005	Al-Ali et al.	
	319	6,931,268	08-16-2005	Kiani-Azarbayjany et al.	

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	First Named Inventor	Ammar Al-Ali
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	320	6,934,570	08-23-2005	Kiani et al.	
	321	6,939,305	09-06-2005	Flaherty et al.	
	322	6,943,348	09-13-2005	Coffin IV	
	323	6,950,687	09-27-2005	Al-Ali	
	324	6,952,340	10-04-2005	Kyoung Sun Son	
	325	6,961,598	11-01-2005	Diab	
	326	6,970,792	11-29-2005	Diab	
	327	6,979,812	12-27-2005	Al-Ali	
	328	6,980,419	12-27-2005	Smith et al.	
	329	6,983,179	01-03-2006	Ben-haim	
	330	6,985,764	01-10-2006	Mason et al.	
	331	6,988,989	01-24-2006	Weiner et al.	
	332	6,990,087	01-24-2006	Rao et al	
	333	6,993,371	01-31-2006	Kiani et al.	
	334	6,996,427	02-07-2006	Ali et al.	
	335	6,997,884	02-14-2006	Ulmsten	
	336	6,999,904	02-14-2006	Weber et al.	
	337	7,003,338	02-21-2006	Weber et al.	
	338	7,003,339	02-21-2006	Diab et al.	
	339	7,015,451	03-21-2006	Dalke et al.	
	340	7,024,233	04-04-2006	Ali et al.	
	341	7,025,729	04-11-2006	De Chazal et al.	
	342	7,027,849	04-11-2006	Al-Ali	
	343	7,030,749	04-18-2006	Al-Ali	
	344	7,033,761	04-25-2006	Shafer	
	345	7,035,686	04-25-2006	Hogan	
	346	7,039,449	05-02-2006	Al-Ali	
	347	7,041,060	05-09-2006	Flaherty et al	
	348	7,044,918	05-16-2006	Diab	

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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	349	7,044,930	05-16-2006	Stromberg	
	350	7,063,666	06-20-2006	Weng et al.	
	351	7,067,893	06-27-2006	Mills et al.	
	352	7,079,035	07-18-2006	Bock et al.	
	353	7,096,052	08-22-2006	Mason et al.	
	354	7,096,054	08-22-2006	Abdul-Hafiz et al.	
	355	7,132,641	11-07-2006	Schulz et al.	
	356	7,142,901	11-28-2006	Kiani et al.	
	357	7,149,561	12-12-2006	Diab	
	358	7,186,966	03-06-2007	Al-Ali	
	359	7,188,621	03-13-2007	DeVries et al.	
	360	7,190,261	03-13-2007	Al-Ali	
	361	7,208,119	04-24-2007	Kurtock et al.	
	362	7,215,984	05-08-2007	Diab	
	363	7,215,986	05-08-2007	Diab	
	364	7,221,971	05-22-2007	Diab	
	365	7,225,006	05-29-2007	Al-Ali et al.	
	366	7,225,007	05-29-2007	Al-Ali	
	367	7,229,415	06-12-2007	Schwartz	
	368	7,239,905	07-03-2007	Kiani-Azarbayjany et al.	
	369	7,241,287	07-10-2007	Shehada et al.	
	370	7,244,251	07-17-2007	Shehada et al.	
	371	7,245,373	07-17-2007	Soller et al.	
	372	7,245,953	07-17-2007	Parker	
	373	7,252,659	08-17-2007	Shehada et al.	
	374	7,254,429	08-07-2007	Schurman et al.	
	375	7,254,431	08-07-2007	Al-Ali	
	376	7,254,433	08-07-2007	Diab et al.	
	377	7,254,434	08-07-2007	Schulz et al.	

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	378	7,256,708	08-14-2007	Rosenfeld	
	379	7,261,697	08-28-2007	Berstein	
	380	7,264,616	09-04-2007	Shehada et al.	
	381	7,267,671	09-11-2007	Shehada et al.	
	382	7,272,425	09-18-2007	Al-Ali	
	383	7,274,955	09-25-2007	Kiani et al.	
	384	7,280,858	10-09-2007	Al-Ali et al.	
	385	7,285,090	10-23-2007	Stivoric	
	386	7,289,835	10-30-2007	Mansfield et al.	
	387	7,292,883	11-06-2007	De Felice et al.	
	388	7,295,866	11-13-2007	Al-Ali	
	389	7,307,543	12-11-2007	Rosenfeld	
	390	7,313,423	12-25-2007	Griffin et al.	
	391	7,314,446	01-01-2008	Byrd et al.	
	392	7,315,825	01-01-2008	Rosenfeld	
	393	7,321,862	01-22-2008	Rosenfeld	
	394	7,322,971	01-29-2008	Shehada et al.	
	395	7,328,053	02-05-2008	Diab et al.	
	396	7,332,784	02-19-2008	Mills et al.	
	397	7,340,287	03-04-2008	Mason et al.	
	398	7,341,559	03-11-2008	Schulz et al.	
	399	7,343,186	03-11-2008	Lamego et al.	
	400	7,355,512	04-08-2008	Al-Ali	
	401	7,356,178	04-08-2008	Ziel et al.	
	402	7,356,365	04-08-2008	Schurman	
	403	7,371,981	05-13-2008	Abdul-Hafiz	
	404	7,373,193	05-13-2008	Al-Ali et al.	
	405	7,373,194	05-13-2008	Weber et al.	
	406	7,376,453	05-20-2008	Diab et al.	

Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 15 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	407	7,377,794	05-27-2008	Al Ali et al.	
	408	7,377,899	05-27-2008	Weber et al.	
	409	7,378,975	05-27-2008	Smith et al.	
	410	7,382,247	06-03-2008	Welch et al.	
	411	7,383,070	06-03-2008	Diab et al.	
	412	7,390,299	06-24-2008	Weiner et al.	
	413	7,395,216	07-01-2008	Rosenfeld	
	414	7,411,509	08-12-2008	Rosenfeld	
	415	7,413,546	08-19-2008	Agutter et al.	
	416	7,415,297	08-19-2008	Al-Ali et al.	
	417	7,419,483	09-02-2008	Shehada	
	418	7,428,432	09-23-2008	Ali et al.	
	419	7,433,827	10-07-2008	Rosenfeld	
	420	7,438,683	10-21-2008	Al-Ali et al.	
	421	7,439,856	10-21-2008	Weiner et al.	
	422	7,440,787	10-21-2008	Diab	
	423	7,454,240	11-18-2008	Diab et al.	
	424	7,454,359	11-18-2008	Rosenfeld	
	425	7,454,360	11-18-2008	Rosenfeld	
	426	7,462,151	12-09-2008	Childre et al.	
	427	7,467,002	12-16-2008	Weber et al.	
	428	7,467,094	12-16-2008	Rosenfeld	
	429	7,469,157	12-23-2008	Diab et al.	
	430	7,471,969	12-30-2008	Diab et al.	
	431	7,471,971	12-30-2008	Diab et al.	
	432	7,475,019	01-06-2009	Rosenfeld	
	433	7,483,729	01-27-2009	Al-Ali et al.	
	434	7,483,730	01-27-2009	Diab et al.	
	435	7,489,250	02-10-2009	Bock et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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SHEET 16 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	436	7,489,958	02-10-2009	Diab et al.	
	437	7,496,391	02-24-2009	Diab et al.	
	438	7,496,393	02-24-2009	Diab et al.	
	439	7,497,828	03-03-2009	Wilk et al.	
	440	7,499,741	03-03-2009	Diab et al.	
	441	7,499,835	03-03-2009	Weber et al.	
	442	7,500,950	03-10-2009	Al-Ali et al.	
	443	7,509,154	03-24-2009	Diab et al.	
	444	7,509,494	03-24-2009	Al-Ali	
	445	7,510,849	03-31-2009	Schurman et al.	
	446	7,515,043	04-07-2009	Welch et al.	
	447	7,515,044	04-07-2009	Welch et al.	
	448	7,526,328	04-28-2009	Diab et al.	
	449	7,530,942	05-12-2009	Diab	
	450	7,530,949	05-12-2009	Al Ali et al.	
	451	7,530,955	05-12-2009	Diab et al.	
	452	7,532,919	05-12-2009	Soyemi et al.	
	453	7,549,961	06-23-2009	Hwang	
	454	7,551,717	06-23-2009	Tome et al.	
	455	7,559,520	07-14-2009	Quijano et al.	
	456	7,563,110	07-21-2009	Al-Ali et al.	
	457	7,577,475	08-18-2009	Consentino et al	
	458	7,590,950	09-15-2009	Collins et al.	
	459	7,596,398	09-29-2009	Al-Ali et al.	
	460	7,597,665	10-06-2009	Wilk et al.	
	461	7,612,999	11-03-2009	Clark et al.	
	462	7,616,303	11-10-2009	Yang et al.	
	463	7,618,375	11-17-2009	Flaherty	
	464	7,639,145	12-29-2009	Lawson et al.	

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	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	465	7,647,083	01-12-2010	Al-Ali et al.	
	466	7,650,291	01-19-2010	Rosenfeld	
	467	7,654,966	02-02-2010	Westinskow et al.	
	468	7,684,845	03-23-2010	Juan	
	469	7,689,437	03-30-2010	Teller et al.	
	470	7,693,697	04-06-2010	Westinskow et al.	
	471	7,722,542	05-25-2010	Lia et al.	
	472	7,729,733	06-01-2010	Al-Ali et al.	
	473	7,734,320	06-08-2010	Al-Ali	
	474	7,736,318	06-15-2010	Consentino et al	
	475	7,740,590	06-22-2010	Bernstein	
	476	7,761,127	07-20-2010	Al-Ali et al.	
	477	7,761,128	07-20-2010	Al-Ali et al.	
	478	7,763,420	07-27-2010	Strizker et al.	
	479	7,764,982	07-27-2010	Dalke et al.	
	480	7,766,818	08-10-2010	Iketani et al.	
	481	7,774,060	08-10-2012	Westenskow et al.	
	482	7,778,851	08-17-2010	Schoenberg et al.	
	483	7,791,155	09-07-2010	Diab	
	484	7,794,407	09-14-2010	Rothenberg	
	485	7,801,581	09-21-2010	Diab	
	486	7,806,830	10-05-2010	Bernstein	
	487	7,820,184	10-26-2010	Strizker et al.	
	488	7,822,452	10-26-2010	Schurman et al.	
	489	7,831,450	11-09-2010	Schoenberg	
	490	7,841,986	11-30-2010	He et al.	
	491	7,844,313	11-30-2010	Kiani et al.	
	492	7,844,314	11-30-2010	Al-Ali	
	493	7,844,315	11-30-2010	Al-Ali	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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SHEET 18 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	494	7,848,935	12-07-2010	Gotlib	
	495	7,858,322	12-28-2010	Tymianski et al.	
	496	7,865,222	01-04-2011	Weber et al.	
	497	7,865,232	01-04-2011	Krishnaswamy et al.	
	498	7,873,497	01-18-2011	Weber et al.	
	499	7,880,606	02-01-2011	Al-Ali	
	500	7,880,626	02-01-2011	Al-Ali et al.	
	501	7,881,892	02-01-2011	Soyemi et al.	
	502	7,884,314	02-08-2011	Hamada	
	503	7,890,156	02-15-2011	Ooi et al.	
	504	7,891,355	02-22-2011	Al-Ali et al.	
	505	7,894,868	02-22-2011	Al-Ali et al.	
	506	7,899,507	03-01-2011	Al-Ali et al.	
	507	7,899,518	03-01-2011	Trepagnier et al.	
	508	7,904,132	03-08-2011	Weber et al.	
	509	7,909,772	03-22-2011	Popov et al.	
	510	7,910,875	03-22-2011	Al-Ali	
	511	7,914,514	03-29-2011	Calderon	
	512	7,919,713	04-05-2011	Al-Ali et al.	
	513	7,937,128	05-03-2011	Al-Ali	
	514	7,937,129	05-03-2011	Mason et al.	
	515	7,937,130	05-03-2011	Diab et al.	
	516	7,941,199	05-10-2011	Kiani	
	517	7,951,086	05-31-2011	Flaherty et al.	
	518	7,957,780	06-07-2011	Lamego et al.	
	519	7,962,188	06-14-2011	Kiani et al.	
	520	7,962,190	06-14-2011	Diab et al.	
	521	7,963,927	06-21-2011	Kelleher et al.	
	522	7,967,749	06-28-2011	Hutchinson et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 19 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	523	7,976,472	07-12-2011	Kiani	
	524	7,988,637	08-02-2011	Diab	
	525	7,988,639	08-02-2011	Starks	
	526	7,990,382	08-02-2011	Kiani	
	527	7,991,446	08-02-2011	Al-Ali et al.	
	528	7,991,463	08-02-2011	Kelleher et al.	
	529	7,991,625	08-02-2011	Rosenfeld	
	530	8,000,761	08-16-2011	Al-Ali	
	531	8,008,088	08-30-2011	Bellott et al.	
	532	8,019,400	09-13-2011	Diab et al.	
	533	8,027,846	09-27-2011	Schoenberg	
	534	8,028,701	10-04-2011	Al-Ali et al.	
	535	8,029,765	10-04-2011	Bellott et al.	
	536	8,033,996	10-11-2011	Behar	
	537	8,036,727	10-11-2011	Schurman et al.	
	538	8,036,728	10-11-2011	Diab et al.	
	539	8,036,736	10-11-2011	Snyder et al.	
	540	8,038,625	10-18-2011	Afonso X et al.	
	541	8,046,040	10-25-2011	Ali et al.	
	542	8,046,041	10-25-2011	Diab et al.	
	543	8,046,042	10-25-2011	Diab et al.	
	544	8,048,040	11-01-2011	Kiani	
	545	8,050,728	11-01-2011	Al-Ali et al.	
	546	8,068,104	11-29-2011	Rampersad	
	547	8,073,707	12-06-2011	Teller et al.	
	548	8,094,013	01-10-2012	Lee et al.	
	549	8,118,620	02-21-2012	Al-Ali et al.	
	550	8,126,528	02-28-2012	Diab et al.	
	551	8,128,572	03-06-2012	Diab et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 20 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	552	8,130,105	03-06-2012	Al-Ali et al.	
	553	8,145,287	03-27-2012	Diab et al.	
	554	8,150,487	04-03-2012	Diab et al.	
	555	8,170,887	05-01-2012	Rosenfeld	
	556	8,175,672	05-08-2012	Parker	
	557	8,175,895	05-08-2012	Rosenfeld	
	558	8,180,420	05-15-2012	Diab et al.	
	559	8,182,443	05-22-2012	Kiani	
	560	8,185,180	05-22-2012	Diab et al.	
	561	8,190,223	05-29-2012	Al-Ali et al.	
	562	8,190,227	05-29-2012	Diab et al.	
	563	8,200,308	06-12-2012	Zhang et al.	
	564	8,203,438	06-19-2012	Kiani et al.	
	565	8,203,704	06-19-2012	Merritt et al.	
	566	8,204,566	06-19-2012	Schurman et al.	
	567	8,206,312	06-26-2012	Farquhar	
	568	8,214,007	07-03-2012	Baker et al.	
	569	8,219,172	07-10-2012	Schurman et al.	
	570	8,224,411	07-17-2012	Al-Ali et al.	
	571	8,228,181	07-24-2012	Al-Ali	
	572	8,229,533	07-24-2012	Diab et al.	
	573	8,233,955	07-31-2012	Al-Ali et al.	
	574	8,235,907	08-07-2012	Wilk et al.	
	575	8,239,780	08-07-2012	Manetta et al.	
	576	8,241,213	08-14-2012	Lynn et al.	
	577	8,244,325	08-14-2012	Al-Ali et al.	
	578	8,249,815	08-21-2012	Taylor	
	579	8,255,026	08-28-2012	Al-Ali	
	580	8,255,027	08-28-2012	Al-Ali et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 21 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	581	8,255,028	08-28-2012	Al-Ali et al.	
	582	8,260,577	09-04-2012	Weber et al.	
	583	8,265,723	09-11-2012	McHale et al.	
	584	8,274,360	09-25-2012	Sampath et al.	
	585	8,294,588	10-23-2012	Fisher et al.	
	586	8,294,716	10-23-2012	Lord et al.	
	587	8,301,217	10-30-2012	Al-Ali et al.	
	588	8,306,596	11-06-2012	Schurman et al.	
	589	8,310,336	11-13-2012	Muhsin et al.	
	590	8,311,747	11-13-2012	Taylor	
	591	8,311,748	11-13-2012	Taylor et al.	
	592	8,315,683	11-20-2012	Al-Ali et al.	
	593	8,315,812	11-20-2012	Taylor	
	594	8,315,813	11-20-2012	Taylor et al.	
	595	8,315,814	11-20-2012	Taylor et al.	
	596	8,321,150	11-27-2012	Taylor	
	597	8,326,649	12-04-2012	Rosenfeld	
	598	8,328,793	12-11-2012	Birkenbach et al.	
	599	8,337,403	12-25-2012	Al-Ali et al.	
	600	8,346,330	01-01-2013	Lamego	
	601	8,353,842	01-15-2013	Al-Ali et al.	
	602	8,355,766	01-15-2013	MacNeish, III et al.	
	603	8,359,080	01-22-2013	Diab et al.	
	604	8,360,936	01-29-2013	Dibenedetto et al.	
	605	8,364,223	01-29-2013	Al-Ali et al.	
	606	8,364,226	01-29-2013	Diab et al.	
	607	8,374,665	02-12-2013	Lamego	
	608	8,385,995	02-26-2013	Al-ali et al.	
	609	8,385,996	02-26-2013	Smith et al.	

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	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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SHEET 22 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	610	8,388,353	03-05-2013	Kiani et al.	
	611	8,399,822	03-19-2013	Al-Ali	
	612	8,401,602	03-19-2013	Kiani	
	613	8,401,874	03-19-2013	Rosenfeld	
	614	8,405,608	03-26-2013	Al-Ali et al.	
	615	8,414,499	04-09-2013	Al-Ali et al.	
	616	8,418,524	04-16-2013	Al-Ali	
	617	8,423,106	04-16-2013	Lamego et al.	
	618	8,428,967	04-23-2013	Olsen et al.	
	619	8,430,817	04-30-2013	Al-Ali et al.	
	620	8,437,825	05-07-2013	Dalvi et al.	
	621	8,455,290	06-04-2013	Siskavich	
	622	8,457,703	06-04-2013	Al-Ali	
	623	8,457,707	06-04-2013	Kiani	
	624	8,463,349	06-11-2013	Diab et al.	
	625	8,466,286	06-18-2013	Bellot et al.	
	626	8,471,713	06-25-2013	Poeze et al.	
	627	8,473,020	06-25-2013	Kiani et al.	
	628	8,483,787	07-09-2013	Al-Ali et al.	
	629	8,489,167	07-16-2013	Buxton et al.	
	630	8,489,364	07-16-2013	Weber et al.	
	631	8,498,684	07-30-2013	Weber et al.	
	632	8,504,128	08-06-2013	Blank et al.	
	633	8,509,867	08-13-2013	Workman et al.	
	634	8,515,509	08-20-2013	Bruinsma et al.	
	635	8,523,781	09-03-2013	Al-Ali	
	636	8,529,301	09-10-2013	Al-Ali et al.	
	637	8,532,727	09-10-2013	Ali et al.	
	638	8,532,728	09-10-2013	Diab et al.	

Examiner Signature	Date 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.	

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 23 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	639	8,547,209	10-01-2013	Kiani et al.	
	640	8,548,548	10-01-2013	Al-Ali	
	641	8,548,549	10-01-2013	Schurman et al.	
	642	8,548,550	10-01-2013	Al-Ali et al.	
	643	8,560,032	10-15-2013	Al-Ali et al.	
	644	8,560,034	10-15-2013	Diab et al.	
	645	8,565,847	10-22-2013	Buxton et al.	
	646	8,570,167	10-29-2013	Al-Ali	
	647	8,570,503	10-29-2013	Vo et al.	
	648	8,571,617	10-29-2013	Reichgott et al.	
	649	8,571,618	10-29-2013	Lamego et al.	
	650	8,571,619	10-29-2013	Al-Ali et al.	
	651	8,577,431	11-05-2013	Lamego et al.	
	652	8,578,082	11-05-2013	Medina et al.	
	653	8,579,813	11-12-2013	Causey, III et al.	
	654	8,581,732	11-12-2013	Al-Ali et al.	
	655	8,584,345	11-19-2013	Al-Ali et al.	
	656	8,588,880	11-19-2013	Abdul-Hafiz et al.	
	657	8,588,924	11-19-2013	Dion	
	658	8,597,287	12-03-2013	Benamou et al.	
	659	8,600,467	12-03-2013	Al-Ali et al.	
	660	8,600,777	12-03-2013	Schoenberg	
	661	8,606,342	12-10-2013	Diab	
	662	8,620,678	12-31-2013	Gotlib	
	663	8,626,255	01-07-2014	Al-Ali et al.	
	664	8,630,691	01-14-2014	Lamego et al.	
	665	8,634,889	01-21-2014	Al-Ali et al.	
	666	8,641,631	02-04-2014	Sierra et al.	
	667	8,652,060	02-18-2014	Al-Ali	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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SHEET 24 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	668	8,663,107	03-04-2014	Kiani	
	669	8,666,468	03-04-2014	Al-Ali	
	670	8,667,967	03-11-2014	Al- Ali et al.	
	671	8,670,811	03-11-2014	O'Reilly	
	672	8,670,814	03-11-2014	Diab et al.	
	673	8,676,286	03-18-2014	Weber et al.	
	674	8,682,407	03-25-2014	Al-Ali	
	675	8,690,771	04-08-2014	Wekell et al.	
	676	8,690,799	04-08-2014	Telfort et al.	
	677	8,700,112	04-15-2014	Kiani	
	678	8,702,627	04-22-2014	Telfort et al.	
	679	8,706,179	04-22-2014	Parker	
	680	8,712,494	04-29-2014	MacNeish, III et al.	
	681	8,715,206	05-06-2014	Telfort et al.	
	682	8,718,735	05-06-2014	Lamego et al.	
	683	8,718,737	05-06-2014	Diab et al.	
	684	8,718,738	05-06-2014	Blank et al.	
	685	8,720,249	05-13-2014	Al-Ali	
	686	8,721,541	05-13-2014	Al-Ali et al.	
	687	8,721,542	05-13-2014	Al-Ali et al.	
	688	8,723,677	05-13-2014	Kiani	
	689	8,740,792	06-03-2014	Kiani et al.	
	690	8,754,776	06-17-2014	Poeze et al.	
	691	8,755,535	06-17-2014	Telfort et al.	
	692	8,755,856	06-17-2014	Diab et al.	
	693	8,755,872	06-17-2014	Marinow	
	694	8,761,850	06-24-2014	Lamego	
	695	8,764,671	07-01-2014	Kiani	
	696	8,768,423	07-01-2014	Shakespeare et al.	

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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	697	8,771,204	07-08-2014	Telfort et al.	
	698	8,777,634	07-15-2014	Kiani et al.	
	699	8,781,543	07-15-2014	Diab et al.	
	700	8,781,544	07-15-2014	Al-Ali et al.	
	701	8,781,549	07-15-2014	Al-Ali et al.	
	702	8,788,003	07-22-2014	Schurman et al.	
	703	8,790,268	07-29-2014	Al-Ali	
	704	8,801,613	08-12-2014	Al-Ali et al.	
	705	8,818,477	08-26-2014	Soller	
	706	8,821,397	09-02-2014	Al-Ali et al.	
	707	8,821,415	09-02-2014	Al-Ali et al.	
	708	8,830,449	09-09-2014	Lamego et al.	
	709	8,831,700	09-09-2014	Schurman et al.	
	710	8,840,549	09-23-2014	Al-Ali et al.	
	711	8,845,543	09-30-2014	Diab et al.	
	712	8,847,740	09-30-2014	Kiani et al.	
	713	8,849,365	09-30-2014	Smith et al.	
	714	8,852,094	10-07-2014	Al-Ali et al.	
	715	8,852,994	10-07-2014	Wojtczuk et al.	
	716	8,866,620	10-21-2014	Amir	
	717	8,868,147	10-21-2014	Stippick et al.	
	718	8,868,150	10-21-2014	Al-Ali et al.	
	719	8,870,792	10-28-2014	Al-Ali et al.	
	720	8,873,035	10-28-2014	Yang et al.	
	721	8,878,888	11-04-2014	Rosenfeld	
	722	8,886,271	11-11-2014	Kiani et al.	
	723	8,888,539	11-18-2014	Al-Ali et al.	
	724	8,888,708	11-18-2014	Diab et al.	
	725	8,892,180	11-18-2014	Weber et al.	

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	First Named Inventor	Ammar Al-Ali
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(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 26 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	726	8,897,847	11-25-2014	Al-Ali	
	727	8,907,287	12-09-2014	Vanderpohl	
	728	8,909,310	12-09-2014	Lamego et al.	
	729	8,911,377	12-16-2014	Al-Ali	
	730	8,912,909	12-16-2014	Al-Ali et al.	
	731	8,920,317	12-30-2014	Al-Ali et al.	
	732	8,921,699	12-30-2014	Al-Ali et al.	
	733	8,922,382	12-30-2014	Al-Ali et al.	
	734	8,929,964	01-06-2015	Al-Ali et al.	
	735	8,942,777	01-27-2015	Diab et al.	
	736	8,948,834	02-03-2015	Diab et al.	
	737	8,948,835	02-03-2015	Diab	
	738	8,951,248	02-10-2015	Messerly et al.	
	739	8,956,292	02-17-2015	Wekell et al.	
	740	8,965,471	02-24-2015	Lamego	
	741	8,983,564	03-17-2015	Al-Ali	
	742	8,989,831	03-24-2015	Al-Ali et al.	
	743	8,996,085	03-31-2015	Kiani et al.	
	744	8,998,809	04-07-2015	Kiani	
	745	9,028,429	05-12-2015	Telfort et al.	
	746	9,037,207	05-19-2015	Al-Ali et al.	
	747	9,057,689	06-16-2015	Soller	
	748	9,060,721	06-23-2015	Reichgott et al.	
	749	9,066,666	06-30-2015	Kiani	
	750	9,066,680	06-30-2015	Al-Ali et al.	
	751	9,072,474	07-07-2015	Al-Ali et al.	
	752	9,078,560	07-14-2015	Schurman et al.	
	753	9,084,569	07-21-2015	Weber et al.	
	754	9,095,291	08-04-2015	Soller	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 27 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	755	9,095,316	08-04-2015	Welch et al.	
	756	9,106,038	08-11-2015	Telfort et al.	
	757	9,107,625	08-18-2015	Telfort et al.	
	758	9,107,626	08-18-2015	Al-Ali et al.	
	759	9,113,831	08-25-2015	Al-Ali	
	760	9,113,832	08-25-2015	Al-Ali	
	761	9,119,595	09-01-2015	Lamego	
	762	9,131,881	09-15-2015	Diab et al.	
	763	9,131,882	09-15-2015	Al-Ali et al.	
	764	9,131,883	09-15-2015	Al-Ali	
	765	9,131,917	09-15-2015	Telfort et al.	
	766	9,138,180	09-22-2015	Coverston et al.	
	767	9,138,182	09-22-2015	Al-Ali et al.	
	768	9,138,192	09-22-2015	Weber et al.	
	769	9,142,117	09-22-2015	Muhsin et al.	
	770	9,153,112	10-06-2015	Kiani et al.	
	771	9,153,121	10-06-2015	Kiani et al.	
	772	9,161,696	10-20-2015	Al- Ali et al.	
	773	9,161,713	10-20-2015	Al-Ali et al.	
	774	9,167,995	10-27-2015	Lamego et al.	
	775	9,176,141	11-03-2015	Al-Ali et al.	
	776	9,186,102	11-17-2015	Bruinsma et al.	
	777	9,192,312	11-24-2015	Al-Ali	
	778	9,192,329	11-24-2015	Al-Ali	
	779	9,192,351	11-24-2015	Telfort et al.	
	780	9,195,385	11-24-2015	Al-Ali et al.	
	781	9,211,072	12-15-2015	Kiani	
	782	9,211,095	12-15-2015	Al-Ali	
	783	9,218,454	12-22-2015	Kiani et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 28 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	784	9,226,696	01-05-2016	Kiani	
	785	9,241,662	01-26-2016	Al-Ali et al.	
	786	9,245,668	01-26-2016	Vo et al.	
	787	9,259,185	02-16-2016	Abdul-Hafiz et al.	
	788	9,262,586	02-16-2016	Steiger et al.	
	789	9,267,572	02-23-2016	Barker et al.	
	790	9,277,880	03-08-2016	Poeze et al.	
	791	9,289,167	03-22-2016	Diab et al.	
	792	9,295,421	03-29-2016	Kiani et al.	
	793	9,307,928	04-12-2016	Al-Ali et al.	
	794	9,323,894	04-26-2016	Kiani	
	795	9,326,712	05-03-2016	Kiani	
	796	9,333,316	05-10-2016	Kiani	
	797	9,339,220	05-17-2016	Lamego et al.	
	798	9,341,565	05-17-2016	Lamego et al.	
	799	9,351,673	05-31-2016	Diab et al.	
	800	9,351,675	05-31-2016	Al-Ali et al.	
	801	9,364,181	06-14-2016	Kiani et al.	
	802	9,368,671	06-14-2016	Wojtczuk et al.	
	803	9,370,325	06-21-2016	Al-Ali et al.	
	804	9,370,326	06-21-2016	McHale et al.	
	805	9,370,335	06-21-2016	Al-ali et al.	
	806	9,375,185	06-28-2016	Ali et al.	
	807	9,386,953	07-12-2016	Al-Ali	
	808	9,386,961	07-12-2016	Al-Ali et al.	
	809	9,392,945	07-19-2016	Al-Ali et al.	
	810	9,397,448	07-19-2016	Al-Ali et al.	
	811	9,436,645	09-06-2016	Al-Ali et al.	
	812	9,529,762	12-27-2016	Gisler et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 29 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	813	2001/0011355	08-02-2001	Kawai	
	814	2001/0031922	10-18-2001	Weng et al.	
	815	2001/0046366	11-26-2001	Susskind	
	816	2002/0045836	04-18-2002	Alkawwas	
	817	2002/0052311	05-02-2002	Solomon et al.	
	818	2002/0063690	05-30-2002	Chung et al.	
	819	2002/0140675	10-03-2002	Ali et al.	
	820	2002/0177758	11-28-2002	Schoenberg	
	821	2002/0198445	12-26-2002	Dominguez et al.	
	822	2003/0027326	02-06-2003	Ulmsten et al.	
	823	2003/0052787	03-20-2003	Zerhusen et al.	
	824	2003/0058838	03-27-2003	Wengrovitz	
	825	2003/0158466	08-21-2003	Lynn et al.	
	826	2003/0216670	11-20-2003	Beggs	
	827	2004/0013647	01-22-2004	Solomon et al.	
	828	2004/0122787	06-24-2004	Avinash et al.	
	829	2004/0126007	07-01-2004	Ziel et al.	
	830	2004/0139571	07-22-2004	Chang et al.	
	831	2004/0147818	07-29-2004	Levy et al.	
	832	2004/0186357	09-23-2004	Soderberg et al.	
	833	2004/0230118	11-18-2004	Shehada et al.	
	834	2004/0230132	11-18-2004	Shehada et al.	
	835	2004/0230179	11-18-2004	Shehada et al.	
	836	2004/0243017	12-02-2004	Causevic	
	837	2004/0249670	12-09-2004	Noguchi et al.	
	838	2004/0254431	12-16-2004	Shehada et al.	
	839	2004/0254432	12-16-2004	Shehada et al.	
	840	2004/0267103	12-30-2004	Li et al.	
	841	2005/0020918	01-27-2005	Wilk et al.	

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SHEET 30 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	842	2005/0038332	02-17-2005	Saidara et al.	
	843	2005/0038680	02-17-2005	McMahon	
	844	2005/0080336	04-14-2005	Byrd et al.	
	845	2005/0096542	05-05-2005	Weng et al.	
	846	2005/0113653	05-26-2005	Fox et al.	
	847	2005/0124864	06-09-2005	Mack et al.	
	848	2005/0125256	06-09-2005	Schoenberg	
	849	2005/0164933	07-28-2005	Tymianski et al.	
	850	2005/0191294	09-01-2005	Arap et al.	
	851	2005/0268401	12-08-2005	Dixon et al.	
	852	2005/0277872	12-15-2005	Colby, Jr. et al.	
	853	2006/0049936	03-09-2006	Collins, Jr. et al.	
	854	2006/0058647	03-16-2006	Strommer et al.	
	855	2006/0089543	04-27-2006	Kim et al.	
	856	2006/0094936	05-04-2006	Russ	
	857	2006/0149393	07-06-2006	Calderon	
	858	2006/0155175	07-13-2006	Ogino et al.	
	859	2006/0217684	09-28-2006	Shehada et al.	
	860	2006/0217685	09-28-2006	Shehada et al.	
	861	2006/0224413	10-05-2006	Kim et al.	
	862	2006/0235300	10-19-2006	Weng et al.	
	863	2006/0253042	11-09-2006	Stahmann et al.	
	864	2007/0000490	01-04-2007	DeVries et al.	
	865	2007/0002533	01-04-2007	Kogan et al.	
	866	2007/0021675	01-25-2007	Childre et al.	
	867	2007/0027368	02-01-2007	Collins et al.	
	868	2007/0032733	02-08-2007	Burton et al.	
	869	2007/0055116	03-08-2007	Clark et al.	
	870	2007/0055544	03-08-2007	Jung et al.	

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Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	871	2007/0060798	03-15-2007	Krupnik et al.	
	872	2007/0088406	04-19-2007	Bennett et al.	
	873	2007/0096897	05-03-2007	Weiner Herbert S	
	874	2007/0100222	05-03-2007	Mastrototaro et al.	
	875	2007/0118399	05-24-2007	Avinash et al.	
	876	2007/0140475	06-21-2007	Kurtock et al.	
	877	2007/0156033	07-05-2007	Causey et al.	
	878	2007/0157285	07-05-2007	Frank et al.	
	879	2007/0159332	07-12-2007	Koblasz	
	880	2007/0163589	07-19-2007	DeVries et al.	
	881	2007/0185390	08-09-2007	Perkins et al.	
	882	2007/0232941	10-04-2007	Rabinovich	
	883	2007/0244724	10-18-2007	Pendergast et al.	
	884	2007/0254593	11-01-2007	Jollota et al.	
	885	2007/0255114	11-01-2007	Ackermann et al.	
	886	2007/0255116	11-01-2007	Mehta et al.	
	887	2007/0255250	11-01-2007	Moberg Sheldon B	
	888	2007/0282478	12-06-2007	Al-Ali et al.	
	889	2008/0000479	01-03-2008	Elaz et al.	
	890	2008/0003200	01-03-2008	Arap et al.	
	891	2008/0021854	01-24-2008	Jung et al.	
	892	2008/0033661	02-07-2008	Syroid et al.	
	893	2008/0039701	02-14-2008	Ali et al.	
	894	2008/0053438	03-06-2008	DeVries et al.	
	895	2008/0058657	03-06-2008	Schwartz et al.	
	896	2008/0090626	04-17-2008	Griffin et al.	
	897	2008/0091089	04-17-2008	Guillory et al.	
	898	2008/0091090	04-17-2008	Guillory et al.	
	899	2008/0091471	04-17-2008	Michon et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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SHEET 32 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	900	2008/0097167	04-24-2008	Yudkovitch et al.	
	901	2008/0099366	05-01-2008	Niemiec et al.	
	902	2008/0119412	05-22-2008	Tymianski et al.	
	903	2008/0138278	06-12-2008	Scherz et al.	
	904	2008/0169922	07-17-2008	Issokson	
	905	2008/0171919	07-01-2008	Stivoric et al.	
	906	2008/0188795	08-07-2008	Katz et al.	
	907	2008/0194918	08-14-2008	Kulik et al.	
	908	2008/0208912	08-28-2008	Garibaldi	
	909	2008/0221396	09-11-2008	Garces et al.	
	910	2008/0228077	09-18-2008	Wilk et al.	
	911	2008/0275309	11-06-2008	Stivoric et al.	
	912	2008/0281167	11-13-2008	Soderberg et al.	
	913	2008/0281168	11-13-2008	Gibson et al.	
	914	2008/0281181	11-13-2008	Manziona et al.	
	915	2008/0287751	11-01-2008	Stivoric et al.	
	916	2008/0292172	11-27-2008	Assmann et al.	
	917	2008/0300020	12-04-2008	Nishizawa et al.	
	918	2008/0319275	12-25-2008	Chiu et al.	
	919	2008/0319354	12-25-2008	Bell et al.	
	920	2009/0005651	01-01-2009	Ward et al.	
	921	2009/0018808	01-15-2009	Bronstein et al.	
	922	2009/0024008	01-22-2009	Brunner et al.	
	923	2009/0043172	02-12-2009	Zagorchev et al.	
	924	2009/0052623	02-26-2009	Tome et al.	
	925	2009/0054735	02-26-2009	Higgins et al.	
	926	2009/0062682	03-05-2009	Bland et al.	
	927	2009/0069642	03-12-2009	Gao et al.	
	928	2009/0099480	04-16-2009	Salgo et al.	

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	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	929	2009/0119330	05-01-2009	Sampath et al.	
	930	2009/0119843	05-14-2009	Rodgers et al.	
	931	2009/0124867	05-14-2009	Hirsch et al.	
	932	2009/0131759	05-21-2009	Sims et al.	
	933	2009/0143832	06-04-2009	Saba	
	934	2009/0157058	06-18-2009	Ferren et al.	
	935	2009/0171170	07-02-2009	Li et al.	
	936	2009/0171225	07-02-2009	Gadodia et al.	
	937	2009/0177090	07-09-2009	Grunwald et al.	
	938	2009/0182287	07-16-2009	Kassab	
	939	2009/0226372	09-10-2009	Ruoslahti et al.	
	940	2009/0247984	10-01-2009	Lamego et al.	
	941	2009/0264778	10-22-2009	Markowitz et al.	
	942	2009/0275813	11-05-2009	Davis	
	943	2009/0275844	11-05-2009	Al-Ali	
	944	2009/0281462	11-12-2009	Heliot et al.	
	945	2009/0299157	12-03-2009	Telfort et al.	
	946	2009/0309755	12-17-2009	Williamson et al.	
	947	2009/0322540	12-31-2009	Richardson et al.	
	948	2010/0004518	01-07-2010	Vo et al.	
	949	2010/0030040	02-04-2010	Poeze et al.	
	950	2010/0030094	02-04-2010	Lundback	
	951	2010/0036209	02-11-2010	Ferren et al.	
	952	2010/0069725	03-18-2010	Al-Ali	
	953	2010/0125217	05-20-2010	Kuo et al.	
	954	2010/0144627	06-10-2010	Vitek et al.	
	955	2010/0185101	07-22-2010		
	956	2010/0198622	08-05-2010	Gajic et al.	
	957	2010/0210958	08-19-2010	Manwaring et al.	

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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	958	2010/0298659	11-25-2010	McCombie et al.	
	959	2010/0298660	11-25-2010	McCombie et al.	
	960	2010/0298661	11-25-2010	McCombie et al.	
	961	2010/0298742	11-25-2010	Perlman et al.	
	962	2010/0305412	12-02-2010	Darrah et al.	
	963	2010/0312103	12-09-2010	Gorek et al.	
	964	2010/0317936	12-16-2010	Al-Ali et al.	
	965	2010/0317951	12-16-2010	Rutkowski et al.	
	966	2011/0021930	01-27-2011	Mazzeo et al.	
	967	2011/0023130	01-27-2011	Gudgel et al.	
	968	2011/0028809	02-03-2011	Goodman	
	969	2011/0046495	02-24-2011	Osypka	
	970	2011/0066051	03-17-2011	Moon et al.	
	971	2011/0077473	03-31-2011	Lisogurski	
	972	2011/0078596	03-31-2011	Rawlins et al.	
	973	2011/0080294	04-07-2011	Tanishima et al.	
	974	2011/0082711	04-07-2011	Poeze et al.	
	975	2011/0087083	04-14-2011	Poeze et al.	
	976	2011/0087084	04-14-2011	Jeong et al.	
	977	2011/0087117	04-14-2011	Tremper et al.	
	978	2011/0087756	04-14-2011	Biondi James W	
	979	2011/0098583	04-28-2011	Pandia et al.	
	980	2011/0105854	05-05-2011	Kiani et al.	
	981	2011/0105956	05-05-2011	Hirth	
	982	2011/0118573	05-19-2011	Mckenna	
	983	2011/0125060	05-26-2011	Telfort et al.	
	984	2011/0152629	06-23-2011	Eaton et al.	
	985	2011/0172967	07-14-2011	Al-Ali et al.	
	986	2011/0184252	07-28-2011	Archer et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	987	2011/0184253	07-28-2011	Archer et al.	
	988	2011/0208015	08-25-2011	Welch et al.	
	989	2011/0208018	08-25-2011	Kiani	
	990	2011/0208073	08-25-2011	Matsukawa et al.	
	991	2011/0209915	09-01-2011	Telfort et al.	
	992	2011/0212090	09-01-2011	Pedersen et al.	
	993	2011/0213212	09-01-2011	Al-Ali	
	994	2011/0227739	09-22-2011	Gilham et al.	
	995	2011/0230733	09-22-2011	Al-Ali	
	996	2011/0237911	09-29-2011	Lamego et al.	
	997	2011/0237969	09-29-2011	Eckerbom et al.	
	998	2011/0257544	10-20-2011	Kaasinen et al.	
	999	2011/0288383	11-24-2011	Diab	
	1000	2011/0295094	12-01-2011	Doyle et al.	
	1001	2011/0301444	12-08-2011	Al-Ali	
	1002	2012/0004579	01-05-2012	Luo et al.	
	1003	2012/0029300	02-02-2012	Paquet	
	1004	2012/0029879	02-02-2012	Sing et al.	
	1005	2012/0041316	02-16-2012	Al-Ali et al.	
	1006	2012/0046557	02-23-2012	Kiani	
	1007	2012/0059230	03-08-2012	Teller et al.	
	1008	2012/0059267	03-01-2012	Lamego et al.	
	1009	2012/0071771	03-22-2012	Behar	
	1010	2012/0075464	03-29-2012	Derenne et al.	
	1011	2012/0088984	04-12-2012	Al-Ali et al.	
	1012	2012/0095778	04-19-2012	Gross et al.	
	1013	2012/0101353	04-26-2012	Reggiardo et al.	
	1014	2012/0116175	05-10-2012	Al-Ali et al.	
	1015	2012/0123799	05-17-2012	Nolen et al.	

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	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1016	2012/0136221	05-31-2012	Killen et al.	
	1017	2012/0165629	06-28-2012	Merritt et al.	
	1018	2012/0179006	07-12-2012	Jansen et al.	
	1019	2012/0184120	07-19-2012	Basta et al.	
	1020	2012/0197619	08-02-2012	Namer Yelin et al.	
	1021	2012/0203078	08-09-2012	Sze et al.	
	1022	2012/0209082	08-01-2012	Al-Ali	
	1023	2012/0209084	08-01-2012	Olsen et al.	
	1024	2012/0226160	09-06-2012	Kudoh	
	1025	2012/0227739	09-01-2012	Kiani	
	1026	2012/0239434	09-20-2012	Breslow et al.	
	1027	2012/0242501	09-27-2012	Tran et al.	
	1028	2012/0265039	10-01-2012	Kiani	
	1029	2012/0282583	11-08-2012	Thaler et al.	
	1030	2012/0283524	11-01-2012	Kiani et al.	
	1031	2012/0284053	11-08-2012	Rosenfeld	
	1032	2012/0286955	11-01-2012	Welch et al.	
	1033	2012/0294801	11-22-2012	Scherz et al.	
	1034	2012/0296178	11-01-2012	Lamego et al.	
	1035	2012/0302894	11-01-2012	Diab et al.	
	1036	2012/0303476	11-29-2012	Krzyzanowski et al.	
	1037	2012/0319816	12-01-2012	Al-Ali	
	1038	2012/0330112	12-01-2012	Lamego et al.	
	1039	2013/0006131	01-03-2013	Narayan et al.	
	1040	2013/0006151	01-03-2013	Main et al.	
	1041	2013/0023775	01-01-2013	Lamego et al.	
	1042	2013/0035603	02-07-2013	Jarausach et al.	
	1043	2013/0041591	02-14-2013	Lamego	
	1044	2013/0046197	02-21-2013	Dlugos, Jr. et al.	

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
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Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1045	2013/0046204	02-01-2013	Lamego et al.	
	1046	2013/0060108	03-01-2013	Schurman et al.	
	1047	2013/0060147	03-01-2013	Welch et al.	
	1048	2013/0079610	03-01-2013	Al-Ali	
	1049	2013/0092805	04-18-2013	Funk et al.	
	1050	2013/0096405	04-01-2013	Garfio	
	1051	2013/0096936	04-01-2013	Sampath et al.	
	1052	2013/0109929	05-02-2013	Menzel	
	1053	2013/0109935	05-01-2013	Al-Ali et al.	
	1054	2013/0123616	05-16-2013	Merritt et al.	
	1055	2013/0162433	06-01-2013	Muhsin et al.	
	1056	2013/0178749	07-01-2013	Lamego	
	1057	2013/0190581	07-01-2013	Al-Ali et al.	
	1058	2013/0197328	08-01-2013	Diab et al.	
	1059	2013/0197364	08-01-2013	Han	
	1060	2013/0211214	08-01-2013	Olsen	
	1061	2013/0243021	09-01-2013	Siskavich	
	1062	2013/0253334	09-26-2013	Al-Ali et al.	
	1063	2013/0261494	10-03-2013	Bloom et al.	
	1064	2013/0267804	10-10-2013	Al-Ali	
	1065	2013/0274571	10-01-2013	Diab et al.	
	1066	2013/0274572	10-17-2013	Al-Ali et al.	
	1067	2013/0279109	10-24-2013	Lindblad et al.	
	1068	2013/0296672	11-01-2013	O'Neil et al.	
	1069	2013/0296713	11-07-2013	Al-Ali et al.	
	1070	2013/0317327	11-01-2013	Al-Ali et al.	
	1071	2013/0317370	11-01-2013	Dalvi et al.	
	1072	2013/0317393	11-28-2013	Weiss et al.	
	1073	2013/0324804	12-05-2013	McKeown et al.	

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	1074	2013/0324808	12-01-2013	Al-Ali et al.	
	1075	2013/0324817	12-01-2013	Diab	
	1076	2013/0331660	12-12-2013	Al-Ali et al.	
	1077	2013/0331670	12-01-2013	Kiani	
	1078	2013/0338461	12-01-2013	Lamego et al.	
	1079	2013/0340176	12-26-2013	Stevens et al.	
	1080	2014/0012100	01-01-2014	Al-Ali et al.	
	1081	2014/0022081	01-23-2014	Ribble et al.	
	1082	2014/0025306	01-01-2014	Weber et al.	
	1083	2014/0031650	01-01-2014	Weber et al.	
	1084	2014/0034353	02-01-2014	Al-Ali et al.	
	1085	2014/0046674	02-13-2014	Rosenfeld	
	1086	2014/0051952	02-01-2014	Reichgott et al.	
	1087	2014/0051953	02-01-2014	Lamego et al.	
	1088	2014/0051954	02-01-2014	Al-Ali et al.	
	1089	2014/0058230	02-01-2014	Abdul-Hafiz et al.	
	1090	2014/0066783	03-01-2014	Kiani et al.	
	1091	2014/0073167	03-01-2014	Al-Ali et al.	
	1092	2014/0077956	03-01-2014	Sampath et al.	
	1093	2014/0081097	03-01-2014	Al-Ali et al.	
	1094	2014/0081100	03-01-2014	Muhsin et al.	
	1095	2014/0081175	03-01-2014	Telfort	
	1096	2014/0094667	04-01-2014	Schurman et al.	
	1097	2014/0100434	04-01-2014	Diab et al.	
	1098	2014/0114199	04-01-2014	Lamego et al.	
	1099	2014/0120564	05-01-2014	Workman et al.	
	1100	2014/0121482	05-01-2014	Merritt et al.	
	1101	2014/0121483	05-01-2014	Kiani	
	1102	2014/0127137	05-01-2014	Bellott et al.	

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	1103	2014/0128696	05-01-2014	Al-Ali	
	1104	2014/0128699	05-01-2014	Al-Ali et al.	
	1105	2014/0129702	05-01-2014	Lamego et al.	
	1106	2014/0135588	05-15-2014	Al-Ali et al.	
	1107	2014/0142399	05-01-2014	Al-Ali et al.	
	1108	2014/0142401	05-01-2014	Al-Ali et al.	
	1109	2014/0142402	05-01-2014	Al-Ali et al.	
	1110	2014/0152673	06-05-2014	Lynn et al.	
	1111	2014/0155712	06-01-2014	Lamego et al.	
	1112	2014/0163344	06-12-2014	Al-Ali	
	1113	2014/0163402	06-12-2014	Lamego et al.	
	1114	2014/0166076	06-19-2014	Kiani et al.	
	1115	2014/0171763	06-19-2014	Diab	
	1116	2014/0180038	06-26-2014	Kiani	
	1117	2014/0180154	06-26-2014	Sierra et al.	
	1118	2014/0180160	06-26-2014	Brown et al.	
	1119	2014/0187973	07-03-2014	Brown et al.	
	1120	2014/0188516	07-03-2014	Kamen	
	1121	2014/0194709	07-10-2014	Al-Ali et al.	
	1122	2014/0194711	07-10-2014	Al-Ali	
	1123	2014/0194766	07-10-2014	Al-Ali et al.	
	1124	2014/0200422	07-17-2014	Weber et al.	
	1125	2014/0206963	07-24-2014	Al-Ali	
	1126	2014/0213864	07-31-2014	Abdul-Hafiz et al.	
	1127	2014/0243627	08-28-2014	Diab et al.	
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	1129	2014/0266787	09-18-2014	Tran	
	1130	2014/0266790	09-18-2014	Al-Ali et al.	
	1131	2014/0275808	09-18-2014	Poeze et al.	

Examiner Signature	Date 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.	

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /E.F.W/

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 40 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1132	2014/0275835	09-18-2014	Lamego et al.	
	1133	2014/0275871	09-18-2014	Lamego et al.	
	1134	2014/0275872	09-18-2014	Merritt et al.	
	1135	2014/0275881	09-18-2014	Lamego et al.	
	1136	2014/0276115	09-18-2014	Dalvi et al.	
	1137	2014/0288400	09-25-2014	Diab et al.	
	1138	2014/0296664	10-02-2014	Bruinsma et al.	
	1139	2014/0303520	10-09-2014	Telfort et al.	
	1140	2014/0309506	10-16-2014	Lamego et al.	
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	1142	2014/0316217	10-23-2014	Purdon et al.	
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	1148	2014/0330092	11-16-2014	Al-Ali et al.	
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	1153	2014/0343436	11-20-2014	Kiani	
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	1155	2014/0357966	12-04-2014	Al-Ali et al.	
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	1159	2015/0005600	01-01-2015	Blank et al.	
	1160	2015/0011907	01-08-2015	Purdon et al.	

Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 41 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1161	2015/0012231	01-08-2015	Poeze et al.	
	1162	2015/0018650	01-15-2015	Al-Ali et al.	
	1163	2015/0025406	01-22-2015	Al-Ali	
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	1165	2015/0038859	02-05-2015	Dalvi et al.	
	1166	2015/0045637	02-12-2015	Dalvi	
	1167	2015/0051462	02-19-2015	Olsen	
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	1173	2015/0099950	04-09-2015	Al-Ali et al.	
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 42 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1190	2015/0238722	08-27-2015	Al-Ali	
	1191	2015/0245773	09-03-2015	Lamego et al.	
	1192	2015/0245794	09-03-2015	Al-Ali	
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	1197	2015/0359429	12-17-2015	Al-Ali et al.	
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	1200	2015/0374298	12-31-2015	Al-Ali et al.	
	1201	2015/0380875	12-31-2015	Coverston et al.	
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Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 43 OF 45	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1219	2016/0113527	04-28-2016	Al-Ali	
	1220	2016/0143548	05-26-2016	Al-Ali	
	1221	2016/0166183	06-16-2016	Poeze et al.	
	1222	2016/0166188	06-16-2016	Bruinsma et al.	
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	1224	2016/0192869	07-07-2016	Kiani et al.	
	1225	2016/0196388	07-07-2016	Lamego	
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	1227	2016/0213281	07-28-2016	Eckerbom et al.	
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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	1231	EP 0 735 499	10-02-1996	Siemens Medical Systems, Inc.		
	1232	EP 2 335 569	06-22-2011	Kiani		
	1233	EP 2 766 834	08-20-2014	Masimo Corporation		Eq.
	1234	EP 2 811 894	12-17-2014	Masimo Corporation		Eq.
	1235	JP 10-336064	12-18-1998	Hitachi Denshi Ltd.		X
	1236	JP 2002-165764	06-11-2002	Misaki KK		X-Abs
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	1238	JP 2005-218036	08-11-2005	Fuji Xerox Co Ltd		X-Abs
	1239	JP 2005-295375	10-20-2005	Omron Corp		X-Abs
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Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 44 OF 45	Attorney Docket No.	MASIMO.317C9

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	1243	JP 2008-541045	11-20-2008	Home Diagnostics Inc.		X-Abs
	1244	JP 2009-017959	01-29-2009	Fukuda Denshi Co., Ltd.		X
	1245	JP 2009-207836	09-17-2009	Nippon Kodan Corp.		X-Abs
	1246	JP 2010-503134	01-28-2010	Apple Inc.		X-Abs
	1247	JP 2010-524510	07-22-2010	Koninklijke Philips Electronics N.V.		X
	1248	JP 2011-152261	08-11-2011	Nippon Kodan Corp.		X-Abs
	1249	JP 2011-519607	07-14-2011	Masimo Corporation		X-Abs
	1250	JP 2014-533997	12-18-2014	Masimo Corporation		X
	1251	WO 98/029790	07-09-1998	IMD Soft Ltd.		
	1252	WO 99/013766	03-25-1999	Kinetic Concepts, Inc.		
	1253	WO 99/056613	11-11-1999	E. Heller & Company		
	1254	WO 00/063713	10-26-2000	The Gillette Company		
	1255	WO 2004/056266	07-08-2004	Stahmann et al.		
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	1259	WO 2011/002904	01-06-2011	Edwards Lifesciences Corporation		
	1260	WO 2011/025549	03-03-2011	Abbott Diabetes Care Inc.		
	1261	WO 2013/056160	04-18-2013	Masimo Corporation		
	1262	WO 2013/119982	08-15-2013	Masimo Corporation		
	1263	WO 2015/054665	04-16-2015	Masimo Corporation		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	1264	CAPUANO et al., "Remote Telemetry - New Twists for Old Technology", Nursing Management, July 1995, Vol. 26, No. 7, pp. 26-32.	
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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.	

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 45 OF 45	Attorney Docket No.	MASIMO.317C9

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	1266	GRUNDY et al., "Telemedicine in Critical Care: An Experiment in Health Care Delivery", JACEP, October 1977, Vol. 6, No. 10, pp. 439-444.	
	1267	GRUNDY et al., "Telemedicine in Critical Care: Problems in Design, Implementation and Assessment", July 1982, Vol. 10, No. 7, pp. 471-475	
	1268	RYSAVY, Peter, "Making the Call with Two-Way Paging", Network Computing, Published January 15, 1997, www.rysavy.com/Articles/twoway.htm , pp. 5.	
	1269	WACHTER et al., "The Employment of an Iterative Design Process to Develop a Pulmonary Graphical Display", Journal of the American Medical Informatics Association, Vol. 10, No. 4, July/August 2003, pp. 363-372.	
	1270	Official Communication in European Application No. 10195398.2 (MASIMO.584EP) dated July 5, 2012.	
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	1272	International Search Report & Written Opinion in PCT Application No. PCT/US2013/025384 (MASIMO.899WO), dated August 6, 2013.	
	1273	International Search Report & Written Opinion in PCT Application No. PCT/US2012/060109 (MASIMO.930WO), dated June 5, 2013.	
	1274	International Preliminary Report on Patentability in PCT Application No. PCT/US2012/060109 (MASIMO.930WO), dated April 24, 2014.	
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Examiner Signature	/ERIC F WINAKUR/	Date Considered	06/23/2017
*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.			

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BIB DATA SHEET

CONFIRMATION NO. 3723

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
15/499,619	04/27/2017	600	3735	MASIMO.317C9		
RULE						
APPLICANTS MASIMO CORPORATION, Irvine, CA; INVENTORS Ammar Al-Ali, San Juan Capistrano, CA; ** CONTINUING DATA ***** This application is a CON of 15/448,989 03/03/2017 which is a CON of 14/815,232 07/31/2015 ABN which is a CON of 14/217,788 03/18/2014 PAT 9113832 which is a CON of 14/037,137 09/25/2013 PAT 9113831 which is a CON of 12/955,826 11/29/2010 PAT 8548548 which is a CON of 11/417,006 05/03/2006 PAT 7844315 which is a CON of 11/048,330 02/01/2005 PAT 7844314 which is a CON of 10/377,933 02/28/2003 PAT 6850788 which claims benefit of 60/367,428 03/25/2002 ** FOREIGN APPLICATIONS ***** ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 05/03/2017						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /ERIC FRANK WINAKUR/ Acknowledged Examiner's Signature		☐ Met after Allowance Initials	STATE OR COUNTRY CA	SHEETS DRAWINGS 17	TOTAL CLAIMS 20	INDEPENDENT CLAIMS 2
ADDRESS KNOBBE, MARTENS, OLSON & BEAR, LLP MASIMO CORPORATION (MASIMO) 2040 MAIN STREET FOURTEENTH FLOOR IRVINE, CA 92614 UNITED STATES						
TITLE BODY WORN MOBILE MEDICAL PATIENT MONITOR						
FILING FEE RECEIVED 1600	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 1 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	4,013,067	03-22-1977	Kresse et al.	
	2	4,773,422	09-27-1988	Isaacson et al.	
	3	5,090,410	02-25-1992	Saper et al.	
	4	5,203,342	04-20-1993	Sakai	
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	6	5,417,222	05-23-1995	Dempsey et al.	
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	9	5,584,296	12-17-1996	Cui et al.	
	10	5,658,316	08-19-1997	Lamond et al.	
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	13	5,779,631	07-14-1998	Chance	
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	16	5,830,137	11-03-1998	Scharf	
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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	30	6,440,067	08-27-2002	Deluca et al.	
	31	6,454,708	09-24-2002	Ferguson et al.	
	32	6,491,647	12-10-2002	Bridger et al.	
	33	6,553,242	04-22-2003	Sarussi	
	34	6,577,893	06-10-2003	Besson et al.	
	35	6,612,984	09-02-2003	Kerr, II	
	36	6,694,160	02-17-2004	Chin	
	37	6,720,734	04-13-2004	Norris	
	38	6,731,962	05-04-2004	Katarow et al.	
	39	6,845,256	01-18-2005	Chin et al.	
	40	6,942,616	09-13-2005	Kerr, II	
	41	7,125,382	10-24-2006	Zhou et al.	
	42	7,257,438	08-14-2007	Kinast	
	43	7,359,742	04-15-2008	Maser et al.	
	44	7,392,074	06-24-2008	Isaacson et al.	
	45	7,486,977	02-03-2009	Sweitzer et al.	
	46	7,499,739	03-03-2009	Sweitzer et al.	
	47	7,801,605	09-21-2010	Smirles et al.	
	48	7,970,450	06-28-2011	Kroecker	
	49	8,326,392	12-04-2012	Grubac et al.	
	50	8,385,972	02-26-2013	Bochenko et al.	
	51	8,457,704	06-04-2013	Sweitzer et al.	
	52	8,467,556	06-18-2013	Shennib et al.	
	53	8,500,692	08-06-2013	Yodfat et al.	
	54	8,545,445	10-01-2013	Kamen et al.	
	55	8,564,613	10-22-2013	Prior et al.	
	56	8,568,361	10-29-2013	Yodfat et al.	
	57	8,615,281	12-24-2013	Yodfat et al.	
	58	8,641,670	02-04-2014	Yodfat et al.	

Examiner Signature	Date Considered
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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 3 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	59	8,670,810	03-11-2014	Isaacson	
	60	8,695,206	04-15-2014	Isaacson et al.	
	61	8,725,226	05-13-2014	Isaacson et al.	
	62	8,761,852	06-24-2014	Parthasarathy	
	63	8,792,950	07-29-2014	Larsen et al.	
	64	8,814,822	08-26-2014	Yodfat et al.	
	65	8,845,530	09-30-2014	Bruce et al.	
	66	8,903,467	12-02-2014	Sweitzer et al.	
	67	8,939,914	01-27-2015	Turnquist et al.	
	68	8,962,170	02-24-2015	Frey et al.	
	69	8,977,351	03-10-2015	Kivisto	
	70	9,014,778	04-21-2015	Datta et al.	
	71	9,017,355	04-28-2015	Smith et al.	
	72	9,028,407	05-12-2015	Bennett-Guerrero	
	73	9,041,529	05-26-2015	Booij et al.	
	74	9,149,228	10-06-2015	Kinast	
	75	9,173,993	11-03-2015	Yodfat et al.	
	76	9,183,738	11-10-2015	Allen, Sr. et al.	
	77	9,254,087	02-09-2016	Isaacson et al.	
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	79	9,364,155	06-14-2016	Bardy et al.	
	80	9,375,179	06-28-2016	Schultz et al.	
	81	9,402,544	08-02-2016	Yee et al.	
	82	9,439,566	09-13-2016	Arne et al.	
	83	9,480,408	11-01-2016	Isaacson et al.	
	84	9,498,158	11-22-2016	Isaacson	
	85	2002/0099277	07-25-2002	Harry et al.	
	86	2002/0107436	08-08-2002	Barton	
	87	2002/0165462	11-07-2002	Westbrook et al.	

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PTO/SB/08 Equivalent

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	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 4 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	88	2003/0033102	02-13-2003	Dietiker	
	89	2003/0149349	08-07-2003	Jensen	
	90	2003/0181798	09-25-2003	Al-Ali	
	91	2003/0181817	09-25-2003	Mori	
	92	2003/0214408	11-20-2003	Grajales et al.	
	93	2003/0229276	12-11-2003	Sarussi et al.	
	94	2004/0000713	01-01-2004	Yamashita et al.	
	95	2004/0097797	05-20-2004	Porges	
	96	2004/0102687	05-27-2004	Brashears et al.	
	97	2004/0127775	07-01-2004	Miyazaki et al.	
	98	2004/0242976	12-02-2004	Abreu	
	99	2004/0260161	12-23-2004	Melker et al.	
	100	2005/0010087	01-13-2005	Banet et al.	
	101	2005/0038326	02-17-2005	Mathur	
	102	2005/0070773	03-31-2005	Chin et al.	
	103	2005/0070775	03-31-2005	Chin et al.	
	104	2005/0106713	05-19-2005	Phan et al.	
	105	2005/0113655	05-26-2005	Hull	
	106	2005/0119580	06-02-2005	Eveland	
	107	2005/0131288	06-16-2005	Turner et al.	
	108	2005/0197550	09-08-2005	Al-Ali et al.	
	109	2005/0228298	10-13-2005	Banet et al.	
	110	2005/0228299	10-13-2005	Banet	
	111	2005/0234317	10-20-2005	Kiani	
	112	2005/0245839	11-03-2005	Stivoric	
	113	2006/0089546	04-27-2006	Mahony et al.	
	114	2006/0106294	05-18-2006	Maser et al.	
	115	2006/0167351	07-27-2006	Isaacson et al.	
	116	2006/0276714	12-07-2006	Holt et al.	

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 5 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	117	2008/0113621	05-15-2008	Parthasarathy	
	118	2008/0208009	08-28-2008	Shklarski	
	119	2008/0208023	08-28-2008	Grubac et al.	
	120	2008/0221420	09-11-2008	Grubac et al.	
	121	2008/0222251	09-11-2008	Parthasarathy	
	122	2009/0043180	02-12-2009	Tschautscher et al.	
	123	2009/0259114	10-15-2009	Johnson et al.	
	124	2009/0299675	12-03-2009	Isaacson et al.	
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	127	2010/0130840	05-27-2010	Isaacson et al.	
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	129	2010/0309207	12-09-2010	Prior et al.	
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	132	2011/0263203	10-27-2011	Parthasarathy	
	133	2012/0277597	11-01-2012	Eshbaugh et al.	
	134	2012/0289800	11-15-2012	Isaacson et al.	
	135	2012/0304784	12-06-2012	Isaacson et al.	
	136	2013/0310667	11-21-2013	Grubac et al.	
	137	2014/0066880	03-06-2014	Prince et al.	
	138	2014/0135602	05-15-2014	Lemke et al.	
	139	2014/0221798	08-07-2014	Isaacson	
	140	2014/0243632	08-28-2014	Ulrich et al.	
	141	2014/0275816	09-18-2014	Sandmore	
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	144	2014/0275932	09-18-2014	Zadig	
	145	2014/0288388	09-25-2014	Isaacson et al.	

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/499619
	Filing Date	April 27, 2017
	First Named Inventor	Ammar Al-Ali
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 6 OF 7	Attorney Docket No.	MASIMO.317C9

U.S. PATENT DOCUMENTS					
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	146	2014/0343389	11-20-2014	Goldstein et al.	
	147	2014/0357970	12-04-2014	Larsen et al.	
	148	2014/0364705	12-11-2014	Parthasarathy et al.	
	149	2015/0031970	01-29-2015	Lain	
	150	2015/0141779	05-21-2015	Johnson et al.	
	151	2015/0141780	05-21-2015	Meyer et al.	
	152	2015/0238094	08-27-2015	Lai et al.	
	153	2015/0289814	10-15-2015	Magar et al.	
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	157	2016/0235344	08-18-2016	Auerbach	
	158	2016/0262673	09-15-2016	Skorich et al.	
	159	2016/0359150	12-08-2016	Martin et al.	
	160	2016/0367164	12-22-2016	Felix	
	161	D615655	05-11-2010	Maser et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ¹
	165	EP 0602459	06-22-1994	Siemens Medical Systems, Inc		
	166	EP 1408823	05-12-2010	Datascope Investment Corp		
	167	JP 2001-501847	02-13-2001	Nellcor Puritan Bennett Inc		X-Abs
	168	JP 2003-275183	09-30-2003	Matsushita Electric Ind Co Ltd		X-Abs
	169	JP 2004-024551	01-29-2004	Renesas Tech Corp		X-Abs

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	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 7 OF 7	Attorney Docket No.	MASIMO.317C9

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	170	RU 2199723	02-27-2003	Masimo Corporation		X-Abs
	171	WO 1996/016591	06-06-1996	Aihonen et al.		
	172	WO 1997/000708	01-19-1997	Medtronic, Inc		
	173	WO 1998/039749	09-11-1998	Kail		
	174	WO 1998/015224	04-16-1998	Nellcor Puritan Bennett Inc		
	175	WO 2000/062665	10-26-2000	Nexan Telemed Limited		
	176	WO 2000/069328	11-23-2000	Phiscience Gmbh, Entwicklung Von Sensoren		
	177	WO 2001/041634	06-14-2001	Masimo Corporation		
	178	WO 2003/065926	08-14-2003	Irvine Sensors Corporation		
	179	WO 2005/048830	06-02-2005	Alive Technologies Pty Ltd		
	180	WO 2005/092177	10-06-2005	Bodymedia, Inc.		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹
	181	CRILLY et al., "An Integrated Pulse Oximeter System for Telemedicine Applications", IEEE Instrumentation and Measurement Technology Conference, Ottawa, Canada, May 19-21, 1997, in 3 pages.	
	182	"Medicine" Textbook of Anaesthesiology/Ed. By Aitkenhead A.R. et al., vol. 1, 1999, pp. 437-440.	X
	183	Dissertation thesis for an MBA class given by the inventor on Dec. 18, 2004. "Reducing Health Care Costs and Improving Patient Care with the Uni-Ox Pulse Oximeter from Snap Medical Technologies", Robert Sweitzer and Samantha Goetz, in 7 pages.	
	184	European Search Report in EP Application No. 02 748 235.5, dated 4 October 2006.	
	185	Official Communication in EP Application No. 02 748 235.5, dated July 25, 2008.	
	186	International Search Report in PCT Application No. PCT/US02/03434, dated 19 December 2002.	

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Examiner Signature	/ERIC F WINAKUR/	Date Considered	06/23/2017
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Search Notes 	Application/Control No. 15499619	Applicant(s)/Patent Under Reexamination AL-ALI, AMMAR
	Examiner ERIC WINAKUR	Art Unit 3735

CPC- SEARCHED		
Symbol	Date	Examiner
A61B5/0002	6/8/17	EFW
A61B5/0004	6/8/17	EFW
A61B5/0024	6/8/17	EFW
A61B5/02	6/8/17	EFW
A61B5/0205	6/8/17	EFW
A61B5/0402	6/8/17	EFW
A61B5/1455	6/8/17	EFW
A61B5/14551	6/8/17	EFW
A61B5/6825	6/8/17	EFW
A61B5/6826	6/8/17	EFW
A61B5/6831	6/8/17	EFW
A61B5/72	6/8/17	EFW
A61B2560/0443	6/8/17	EFW
A61B2562/06	6/8/17	EFW

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

SEARCH NOTES		
Search Notes	Date	Examiner
PALM inventor name search	6/8/17	EFW

INTERFERENCE SEARCH

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

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<i>Index of Claims</i> 	Application/Control No. 15499619	Applicant(s)/Patent Under Reexamination AL-ALI, AMMAR
	Examiner ERIC WINAKUR	Art Unit 3735

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

☐ Claims renumbered in the same order as presented by applicant
 ☐ CPA
 ☐ T.D.
 ☐ R.1.47

CLAIM		DATE								
Final	Original	06/23/2017								
	1									
	2	✓								
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