# UNITED STATES PATENT AND TRADEMARK OFFICE BEFORE THE PATENT TRIAL AND APPEAL BOARD APPLE INC. and FITBIT, INC. Petitioners v. VALENCELL, INC. Patent Owner Case IPR2017-00318<sup>1</sup> Patent 8,886,269

### PETITIONER APPLE INC.'S UPDATED EXHIBIT LIST

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<sup>&</sup>lt;sup>1</sup> IPR2017-01554 has been joined to this current proceeding.



Petitioner Apple Inc. submits herewith a copy of the transcript of a teleconference held with the Board and Parties on December 12, 2017, as Exhibit 1118. Pursuant to 37 C.F.R. § 42.63(e), Petitioner Apple Inc. hereby submits an updated exhibit list to accompany submission of Exhibit 1118.

## PETITIONER'S UPDATED EXHIBIT LIST

Apple (APL)	
Ex. No.	Description
1001	U.S. Patent No. 8,886,269 to LeBoeuf et al. titled "Wearable
	Light-Guiding Devices for Physiological Monitoring," issued
	March 24, 2015
1002	U.S. Patent No. 8,886,269 File History
1003	Declaration of Dr. Brian W. Anthony in Support of Petition for
	Inter Partes Review of U.S. Patent No. 8,886,269
1004	Curriculum Vitae of Dr. Brian W. Anthony
1005	Asada, H. et al. "Mobile Monitoring with Wearable
	Photoplethysmographic Biosensors," IEEE Engineering in
	Medicine and Biology Magazine, May/June 2003; pp. 28-40
1006	U.S. Patent No. 5,226,417 to Swedlow <i>et al.</i> titled "Apparatus
	for the Detection of Motion Transients," issued July 13, 1993
1007	U.S. Patent No. 4,830,014 to Goodman et al. titled "Sensor
	Having Cutaneous Conformance," issued May 16, 1989
1008	U.S. Patent No. 6,745,061 to Hicks et al. titled "Disposable
	Oximetry Sensor," issued June 1, 2004
1009	U.S. Patent No. 7,190,986 to Hannula et al. titled "Non-
	Adhesive Oximeter Sensor for Sensitive Skin," issued March
	13, 2007
1010	U.S. Patent No. 5,797,841 to Delonzor <i>et al.</i> titled "Shunt
	Barrier in Pulse Oximeter Sensor," issued August 25, 1998
1011	U.S. Patent Application Publication No. 2007/0123763 to Al-Ali
	et al. titled "Optical Sensor Including Disposable and Reusable
	Elements," published May 31, 2007
1012	Excerpt from Merriam Webster's Collegiate Dictionary,
	Eleventh Edition, 2008; p. 828



	U.S. Pat. No. 8,880,209
Apple (APL)	
Ex. No.	Description
1013	Mendelson, Y. et al., "Skin Reflectance Pulse Oximetry: In
	Vivo Measurements from the Forearm and Calf," Journal of
	Clinical Monitoring, Vol. 7, No. 1, January 1991; pp. 7-12
1014	Konig, V. et al., "Reflectance Pulse Oximetry – Principles and
	Obstetric Application in the Zurich System," Journal of Clinical
	Monitoring and Computing, Vol. 14, No. 6, August 1998; pp.
	403-412
1015	Mendelson, Y. et al. "A Wearable Reflectance Pulse Oximeter
	for Remote Physiological Monitoring," Proceedings of the 28 <sup>th</sup>
	IEEE EMBS Annual International Conference, New York City,
	New York, August 30-September 3, 2006; pp. 912-915
1016	U.S. Patent No. 6,608,562 to Kimura et al. titled "Vital Signal
	Detecting Apparatus," issued August 19, 2003
1017	Tremper, K. et al., "Pulse Oximetry," Medical Intelligence
	Article, Anesthesiology, Vol. 70, No. 1, January 1989; pp. 98-
	108
1018	Declaration of Gerard P. Grenier in support of Asada, H. et al.
	"Mobile Monitoring with Wearable Photoplethysmographic
	Biosensors," IEEE Engineering in Medicine and Biology
	Magazine, May/June 2003; pp. 28-40 (APL1005)
1019	Intentionally Left Blank
1020	Intentionally Left Blank
1021	Intentionally Left Blank
1022	Transcript of teleconference among Board and Parties held on
	October 13, 2017, Apple Inc. v. Valencell, Inc., Case Nos.
	IPR2017-00315, IPR2017-00317, IPR2017-00318, IPR2017-
	00319, and IPR2017-00321.
1023-1099	Intentionally Left Blank
1100	Transcript of the Deposition of Dr. Albert Titus, November 9,
	2017, Apple Inc. v. Valencell, Inc., Case No. IPR2017-00318.
1101	Transcript of the Deposition of Dr. Albert Titus, November 10,
	2017, Apple Inc. v. Valencell, Inc., Case No. IPR2017-00317.
1102	Declaration of Dr. Brian W. Anthony in Support of Petitioner's
	Reply to Patent Owner's Response
1103	Declaration of Dr. Brian W. Anthony in Support of Petitioner's
	Opposition to Patent Owner's Motion to Amend in <i>Inter Partes</i>
	Review of U.S. Patent No. 8,886,269



	U.S. Pat. IVO. 0,000,209
Apple (APL)	
Ex. No.	Description
1104	U.S. Patent Application Publication No. 2009/0105556 to Fricke
	et al. titled "Measurement of Physiological Signals," published
	April 23, 2009
1105	G. Sen Gupta <i>et al.</i> , Design of a Low-cost Physiological
	Parameter Measurement and Monitoring Device,
	Instrumentation and Measurement Technology Conference,
	IEEE (2007)
1106	Declaration of Gerard P Grenier in support of G. Sen Gupta et
1100	al., Design of a Low-cost Physiological Parameter Measurement
	and Monitoring Device, Instrumentation and Measurement
	Technology Conference, IEEE (2007)
1107	U.S. Patent No. 4,974,591 to Awazu <i>et al.</i> titled "Bio-
	Photosensor," issued December 4, 1990
1108	Definition of "finger", Merriam-Webster's Collegiate
	Dictionary (10th ed. 1998)
1109	U.S. Patent No. 7,558,622 to Tran, titled "Mesh Network Stroke
	Monitoring Appliance," issued July 7, 2009
1110	U.S. Patent Application Publication No. 2005/0209516 to
	Fraden, titled "Vital Signs Probe," published September 22,
	2005
1111	U.S. Patent Application Publication No. 2007/0208240 to
	Nordstrom et al., titled "Techniques for Detecting Heart Pulses
	and Reducing Power Consumption in Sensors," published
	September 6, 2007
1112	Definition of "encircle", Merriam-Webster's Collegiate
	Dictionary (11th ed. 2009)
1113	Intentionally Left Blank
1114	Lu et al., "A statistical experimental study of the injection
	molding of optical lenses," Journal of Materials Processing
	Technology, 113 (2001); pp. 189-195.
1115	Ong et al., "Microlens array produced using hot embossing
	process," Microelectronic Engineering, 60 (2002); pp. 695-379.
1116	Rapaport <i>et al.</i> , "Control of Blood Flow to the Extremities at
1110	
	Low Ambient Temperatures," Journal of Applied Physiology, 2
	(1949); pp. 61-71.



Apple (APL)	
Ex. No.	Description
1117	Daanen, H.A.M., "Finger cold-induced vasodilation: a review,"
	European Journal of Applid Physiology, 89 (2003); pp. 411-426.
1118	Board Teleconference Call Transcript, December 12, 2017

Respectfully submitted,

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