

APPLE INC. and FITBIT, INC. Petitioners

v.

VALENCELL, INC. Patent Owner

Case IPR2017-00318¹ Patent 8,886,269

PETITIONER APPLE INC.'S OPPOSITION TO PATENT OWNER'S MOTION TO AMEND

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Patent Trial and Appeal Board U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

¹ IPR2017-01554 has been joined to this current proceeding.



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PETITIONER'S UPDATED EXHIBIT LIST

Description
U.S. Patent No. 8,886,269 to LeBoeuf <i>et al.</i> titled "Wearable
Light-Guiding Devices for Physiological Monitoring," issued
March 24, 2015
U.S. Patent No. 8,886,269 File History
Declaration of Dr. Brian W. Anthony in Support of Petition for
Inter Partes Review of U.S. Patent No. 8,886,269
Curriculum Vitae of Dr. Brian W. Anthony
Asada, H. et al. "Mobile Monitoring with Wearable Photople-
thysmographic Biosensors," IEEE Engineering in Medicine and
Biology Magazine, May/June 2003; pp. 28-40
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
U.S. Patent No. 4,830,014 to Goodman et al. titled "Sensor Hav-
ing Cutaneous Conformance," issued May 16, 1989
U.S. Patent No. 6,745,061 to Hicks <i>et al.</i> titled "Disposable Ox-
imetry Sensor," issued June 1, 2004
U.S. Patent No. 7,190,986 to Hannula et al. titled "Non-
Adhesive Oximeter Sensor for Sensitive Skin," issued March
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U.S. Patent No. 5,797,841 to Delonzor et al. titled "Shunt Barri-
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et al. titled "Optical Sensor Including Disposable and Reusable
Elements," published May 31, 2007
Excerpt from Merriam Webster's Collegiate Dictionary, Elev-
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vo Measurements from the Forearm and Calf," Journal of Clini-
cal Monitoring, Vol. 7, No. 1, January 1991; pp. 7-12
Konig, V. <i>et al.</i> , "Reflectance Pulse Oximetry – Principles and
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	New York, August 30-September 3, 2006; pp. 912-915
1016	U.S. Patent No. 6,608,562 to Kimura <i>et al.</i> titled "Vital Signal Detecting Apparatus," issued August 19, 2003
	Tremper, K. <i>et al.</i> , "Pulse Oximetry," Medical Intelligence Arti-
1017	cle, Anesthesiology, Vol. 70, No. 1, January 1989; pp. 98-108
	Declaration of Gerard P. Grenier in support of Asada, H. <i>et al.</i>
	"Mobile Monitoring with Wearable Photoplethysmographic Bi-
1018	osensors," IEEE Engineering in Medicine and Biology Maga-
	zine, May/June 2003; pp. 28-40 (APL1005)
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1022	October 13, 2017, Apple Inc. v. Valencell, Inc., Case Nos.
1022	IPR2017-00315, IPR2017-00317, IPR2017-00318, IPR2017-
	00319, and IPR2017-00321.
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1100	Transcript of the Deposition of Dr. Albert Titus, November 9,
1100	2017, Apple Inc. v. Valencell, Inc., Case No. IPR2017-00318.
1101	Transcript of the Deposition of Dr. Albert Titus, November 10,
1101	2017, Apple Inc. v. Valencell, Inc., Case No. IPR2017-00317.
1102	Declaration of Dr. Brian W. Anthony in Support of Petitioner's
1102	Reply to Patent Owner's Response
	Declaration of Dr. Brian W. Anthony in Support of Petitioner's
1103	Opposition to Patent Owner's Motion to Amend in Inter Partes
	Review of U.S. Patent No. 8,989,830
	U.S. Patent Application Publication No. 2009/0105556 to Fricke
1104	et al. titled "Measurement of Physiological Signals," published
	April 23, 2009
	G. Sen Gupta et al., Design of a Low-cost Physiological Param-
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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
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1117	Daanen, H.A.M., "Finger cold-induced vasodilation: a review," European Journal of Applid Physiology, 89 (2003); pp. 411-426.



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