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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

APPLE INC., Petitioner,

v.

VALENCELL, INC., Patent Owner.

Case IPR2017-00318 U.S. Patent No. 8,886,269

PATENT OWNER RESPONSE PURSUANT TO 35 U.S.C. § 313 and 37 C.F.R. § 42.107

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B.	Asada
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В.	"Light Guiding Interface"
C.	"Generally Cylindrical"
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	1. "the inner body portion comprising light transmissive material"30
	2. "wherein the light transmissive material is in optical communication with the at least one optical emitter and the at least one optical detector and is configured to deliver light from the at least one optical emitter to one or more locations of the body of the subject via the at least one window and to collect light from one or more locations of the body of the subject via the at least one window and deliver the collected light to the at least one optical detector "35



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TABLE OF EXHIBITS

Exhibit No.	Description
2001	S. LeBoeuf, et al., Earbud-Based Sensor for the Assessment of Energy Expenditure, HR, and VO2max, OFFICIAL J. AM. C. SPORTS M., 2014, 1046–1052
2002	Biometrics Lab: Performance of Leading Optical Heart Rate Monitors During Interval Exercise Conditions
2003	Valencell website (http://valencell.com/customers/)
2004	CTA - It Is Innovation (i3) Magazine 2016 Innovation- Entrepreneur Awards
2005	Declaration of T. William Kennedy (Aug. 3, 2017)
2006	Webster's Third New International Dictionary, Unabridged (2002) (excerpt)
2007	Declaration of Albert H. Titus in Support of Patent Owner's Response to Petition (Sep. 22, 2017)
2008	Curriculum Vitae of Albert H. Titus
2009	Deposition Transcript of Anthony (Sep. 13, 2017)
2010	Deposition Transcript of Anthony (Sep. 15, 2017)
2011	Mendelson, et al., Noninvasive Pulse Oximetry Utilizing Skin Reflectance Photoplethysmography, IEEE Transactions on Biomedical Engineering, Vol. 35, No. 10, October 1988
2012	Pujary, et al., Photodetector Size Considerations in the Design of a Noninvasive Reflectance Pulse Oximeter for Telemedicine Applications, IEEE, 2003
2013	New Oxford American Dictionary, 2d Ed. (2005) (excerpt)
2014	Declaration of T. William Kennedy (Sep. 22, 2017)



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