UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD
APPLE INC.
Petitioner,
V.
MASIMO CORPORATION,
Patent Owner.
Case IPR2020-01714 U.S. Patent 10,631,765

## PETITIONER'S REPLY TO PATENT OWNER RESPONSE



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	В.	Ohsaki does not teach or require, its convex translucent board 8 to be "rectangular" in shape		
		<ol> <li>Masimo ignores the behavior of scattered light in relation to reflectance-type pulse sensors and oximeters</li></ol>		
	D.	A POSITA would have found the advantages of using a convex cover to		
	E.	outweigh the slight possibility of scratching the cover		
		1. A POSITA would have modified the combined sensor of Mendelson-799 and Ohsaki to guard against saturation based on Schulz's teachings		
		2. Schulz's teachings are applicable to the combined sensor of Mendelson-799 and Ohsaki23		
		3. A POSITA would have understood Schulz's teachings to render obvious a corresponding window for each of at least four		
		<ul> <li>detectors</li></ul>		
	F.	A POSITA would have enabled the combined sensor of Mendelson-799, Ohsaki, and Schulz to communicate wirelessly with a handheld		
	G.	computing device, based on the teachings of Mendelson-2006		
	Н.			



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### **EXHIBITS**

APPLE-1001	US Patent No. 10,631,765
APPLE-1002	File History for the '765 Patent
APPLE-1003	Declaration of Dr. Kenny
APPLE-1004	Curriculum Vitae of Dr. Kenny
APPLE-1005	Masimo Corporation, et al. v. Apple Inc., Complaint, Civil Action No. 8:20-cv-00048 (C.D. Cal.)
APPLE-1006	US Pub. No. 2002/0188210 ("Aizawa")
APPLE-1007	JP Pub. No. 2006/296564 ("Inokawa")
APPLE-1008	Certified English Translation of Inokawa and Translator's Declaration
APPLE-1009	US Pub. No. 2001/0056243 ("Ohsaki")
APPLE-1010	"A Wearable Reflectance Pulse Oximeter for Remote Physiological Monitoring," Y. Mendelson, et al.; Proceedings of the 28th IEEE EMBS Annual International Conference, 2006; pp. 912-915 ("Mendelson-2006")
APPLE-1011	US Pub. No. US 2007/0093786 ("Goldsmith")
APPLE-1012	US Patent No. 6,801,799 ("Mendelson-799")
APPLE-1013	US Pub. No. 2004/0054291 ("Schulz")
APPLE-1014	RESERVED
APPLE-1015	RESERVED
APPLE-1016	US Patent No. 3,789,601 ("Bergey")



APPLE-1017	"Design and Evaluation of a New Reflectance Pulse Oximeter Sensor," Y. Mendelson, et al.; Worcester Polytechnic Institute, Biomedical Engineering Program, Worcester, MA 01609; Association for the Advancement of Medical Instrumentation, Vol. 22, No. 4, 1988; pp. 167-173 ("Mendelson-1988")
APPLE-1018	"Skin Reflectance Pulse Oximetry: In Vivo Measurements from the Forearm and Calf," Y. Mendelson, et al.; Journal of Clinical Monitoring, vol. 7, No. 1, January 1991 ("Mendelson 1991)
APPLE-1019	Design of Pulse Oximeters, J.G. Webster; Institution of Physics Publishing, 1997 ("Webster")
APPLE-1020	QuickSpecs; HP iPAQ Pocket PC h4150 Series
APPLE-1021	How to Do Everything with Windows Mobile, Frank McPherson; McGraw Hill, 2006 ("McPherson")
APPLE-1022	Master Visually Windows Mobile 2003, Bill Landon, et al.; Wiley Publishing, Inc., 2004 ("Landon")
APPLE-1023	"Stimulating Student Learning with a Novel 'In-House' Pulse Oximeter Design," J. Yao and S. Warren; Proceedings of the 2005 American Society for Engineering Education Annual Conference & Exposition, 2005 ("Yao")
APPLE-1024	US Pub. No. 2008/0194932 ("Ayers")
APPLE-1025	U.S. Patent No. 7,031,728 ("Beyer")
APPLE-1026	US Pub. No. 2007/0145255 ("Nishikawa")
APPLE-1027	National Instruments LabVIEW User Manual
APPLE-1028-103	0 RESERVED
APPLE-1031	Scheduling Order, <i>Masimo v. Apple et al.</i> , Case 8:20-cv-00048, Paper 37 (April 17, 2020)



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