UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE PATENT TRIAL AND APPEAL BOARD
APPLE INC.
Petitioner,
v.
MASIMO CORPORATION,
Patent Owner.
Case IPR2020-01722
U.S. Patent 10,470,695

PETITIONER'S REPLY TO PATENT OWNER RESPONSE

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EXHIBITS

APPLE-1001	U.S. Patent No. 10,470,695 to Al-Ali ("the '695 Patent")
APPLE-1002	Excerpts from the Prosecution History of the '695 Patent
APPLE-1003	Declaration of Brian W. Anthony, Ph.D.
APPLE-1004	Reserved
APPLE-1005	U.S. Patent No. 8,998,815 to Venkatraman et al. ("Venkatraman")
APPLE-1006	U.S. Patent No. 6,343,223 to Chin et al. ("Chin")
APPLE-1007 to APPLE-1013	Reserved
APPLE-1014	U.S. Patent No. 9,392,946 to Sarantos et al. ("Sarantos")
APPLE-1015	Mendelson et al., Skin Reflectance Pulse Oximetry: In Vivo Measurements from the Forearm and Calf, Journal of Clinical Monitoring Vol. 7 No. 1, pp. 7-12 (January 1991) ("Mendelson-1991")
APPLE-1016	PCT Pub. No. WO 2011/051888 to Ackermans et al. ("Ackermans")
APPLE-1017	Declaration of Jacob Munford
APPLE-1018	U.S. Patent No. 4,295,472 to Adams ("Adams")
APPLE-1019	U.S. Patent No. 7,415,298 to Casciani et al. ("Casciani")
APPLE-1020	Order Re Motion to Stay in Masimo Corporation et al. v. Apple Inc., Case 8:20-cv-00048-JVS-JDE, October 13, 2020



APPLE-1021 Design of Pulse Oximeters, J.G. Webster; Institution of Physics

Publishing, 1997 ("Webster")

APPLE-1022 Deposition Transcript of Dr. Vijay Madisetti



I. INTRODUCTION

Apple Inc. ("Petitioner" or "Apple") submits this Reply to Patent Owner's Response ("POR") to the Petition for *Inter Partes* Review ("IPR") of U.S. Patent No. 10,470,695 ("the '695 patent") filed by Masimo Corporation ("Patent Owner" or "Masimo"). As demonstrated below, the POR fails to rebut the positions advanced in the Petition. Apple therefore respectfully submits that the Board should find claims 6, 14, and 21¹ ("the Challenged Claims") of the '695 patent unpatentable.

For example, Patent Owner attempts to draw a bright line between pulse oximeters used in body locations having what it terms "thick" tissue (e.g., "the wrist"), and those used in locations having "thin" tissue (e.g., the "nostril"). *See, e.g.*, POR, 16-20. The POR characterizes the pulse oximeter described in Chin as a "thin tissue device" that is so vastly different from "thick tissue" pulse oximeters (*e.g.*, those described in Sarantos and Ackermans) that Chin's teachings are inapplicable to such devices. *See id.*, 19-20; *see also* APPLE-1022, 23:2-7. But

¹ The Petition originally challenged claims 1-6, 8, 9, 11-19, and 21-30 of the '695 patent. Patent Owner subsequently disclaimed claims 1-5, 8, 9, 11-13, 15-19 and 22-30, leaving claims 6, 14, and 21 as the only remaining challenged claims. *See* Ex. 2004.



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