

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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APPLE INC.,  
Petitioner,

v.

MASIMO CORPORATION,  
Patent Owner.

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IPR2020-01723  
Patent 10,470,695 B2

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Before JOSIAH C. COCKS, ROBERT L. KINDER, and  
AMANDA F. WIEKER, *Administrative Patent Judges*.

COCKS, *Administrative Patent Judge*.

DECISION  
Denying Institution of *Inter Partes* Review  
35 U.S.C. § 314

## I. INTRODUCTION

### A. Background

Apple Inc. (“Petitioner”) filed a Petition requesting an *inter partes* review of claims 1–6, 8, 9, 11–19, and 21–30 (“challenged claims”) of U.S. Patent No. 10,470,695 B1 (Ex. 1001, “the ’695 patent”). Paper 2 (“Pet.”). Masimo Corporation (“Patent Owner”) waived filing a preliminary response. Paper 7.

Petitioner concurrently filed another petition for *inter partes* review of claims of the ’695 patent on additional grounds not asserted in this Petition. *Apple, Inc. v. Masimo Corporation*, IPR2020-01722, Paper 2 (PTAB October 2, 2020) (“the ’1722 Petition”).<sup>1</sup> As set forth in the Decision on Institution in IPR2020-01722, we institute an *inter partes* review of claims 1–6, 8, 9, 11–19, and 21–30. *See* IPR2020-01722, Paper 8. For the reasons provided below and based on the circumstances present here, we exercise the Director’s discretion under 35 U.S.C. § 314(a) and deny institution of an *inter partes* review based on the present Petition.

### B. Related Matters

Patent Owner identifies the following matters related to the ’695 patent:

*Masimo Corporation v. Apple Inc.*, Civil Action No. 8:20-cv-00048 (C.D. Cal.) (filed Jan. 9, 2020);

*Apple Inc. v. Masimo Corporation*, IPR2020-01520 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 10,258,265 B1);

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<sup>1</sup> The ’1722 Petition and the present Petition, both filed October 2, 2020, are collectively referred to as the “Concurrent Petitions.”

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*Apple Inc. v. Masimo Corporation*, IPR2020-01521 (PTAB Sept. 2, 2020) (challenging claims of U.S. Patent No. 10,292,628 B1);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01523 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 8,457,703 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01524 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 10,433,776 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01526 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 6,771,994 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01536 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 10,588,553 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01537 (PTAB Aug. 31, 2020) (challenging claims of U.S. Patent No. 10,588,553 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01538 (PTAB Sept. 2, 2020) (challenging claims of U.S. Patent No. 10,588,554 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01539 (PTAB Sept. 2, 2020) (challenging claims of U.S. Patent No. 10,588,554 B2);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01713 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,624,564 B1);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01714 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,631,765 B1 patent);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01715 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,631,765 B1 patent);  
*Apple Inc. v. Masimo Corporation*, IPR2020-01716 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,702,194 patent);

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*Apple Inc. v. Masimo Corporation*, IPR2020-01722 (PTAB Oct. 2, 2020) (challenging claims of U.S. Patent No. 10,470,695 B2);

*Apple Inc. v. Masimo Corporation*, IPR2020-01733 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,702,195 B1); and

*Apple Inc. v. Masimo Corporation*, IPR2020-01737 (PTAB Sept. 30, 2020) (challenging claims of U.S. Patent No. 10,709,366 B1).

Paper 4, 2–3.

Patent Owner also identifies the following pending patent applications that claim priority to, or share a priority claim with, the '695 patent:

U.S. Patent Application No. 15/195,199;

U.S. Patent Application No. 16/532,061;

U.S. Patent Application No. 16/532,065;

U.S. Patent Application No. 16/791,955;

U.S. Patent Application No. 16/791,963;

U.S. Patent Application No. 16/835,712;

U.S. Patent Application No. 16/835,772;

U.S. Patent Application No. 16/791,955; and

U.S. Patent Application No. 16/871,874.

*Id.* at 1–2.

### *C. The '695 Patent*

The '695 patent is titled “Advanced Pulse Oximetry Sensor,” and issued on November 12, 2019, from U.S. Patent Application No. 16/226,249, filed December 19, 2018. Ex. 1001, codes (21), (22), (45), (54). The '695 patent summarizes its disclosure as follows:

This disclosure describes embodiments of non-invasive methods, devices, and systems for measuring blood constituents,

analytes, and/or substances such as, by way of non-limiting example, oxygen, carboxyhemoglobin, methemoglobin, total hemoglobin, glucose, proteins, lipids, a percentage thereof (e.g., saturation, pulse rate, perfusion index, oxygen content, total hemoglobin, Oxygen Reserve Index™ (ORI™) or for measuring many other physiologically relevant patient characteristics. These characteristics can relate to, for example, pulse rate, hydration, trending information and analysis, and the like.

*Id.* at 2:36–46.

Figures 7A and 7B of the '695 patent are reproduced below:

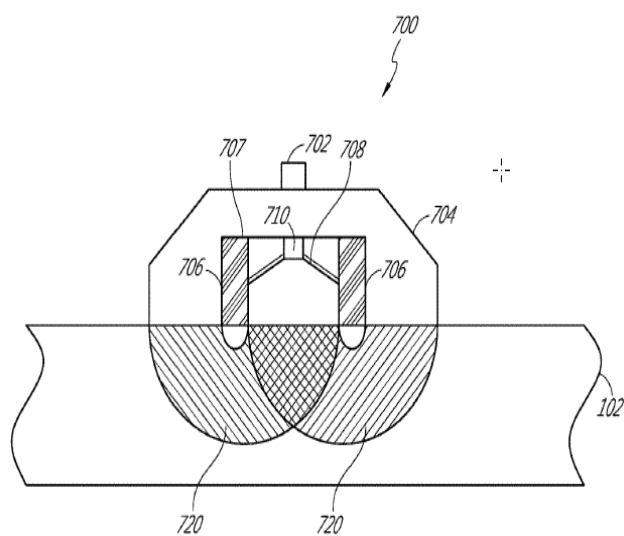


FIG. 7A

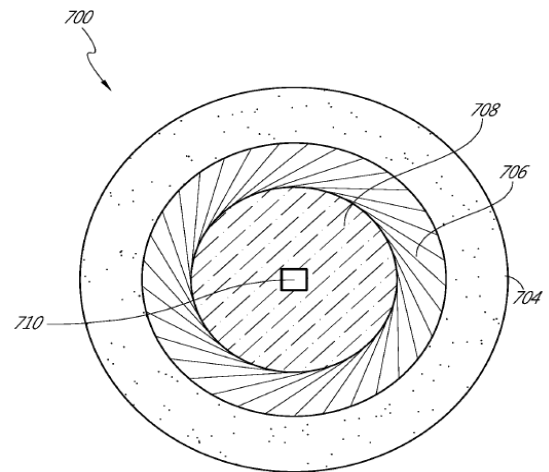


FIG. 7B

Figures 7A and 7B above depict side and top views, respectively, of a three-dimensional pulse oximetry sensor according to an embodiment of the '695 patent. *Id.* at 5:28–33. Sensor 700 includes emitter 702, light diffuser 704, light block (or blocker) 706, light concentrator 708, and detector 710. *Id.* at 10:49–51. The sensor functions to irradiate tissue measurement site 102, e.g., a patient's wrist, and detects emitted light that is reflected by the tissue

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