Apple Inc. (Petitioner) v. Masimo Corporation (Patent Owner) Petitioner Demonstratives

Case Nos. IPR2022-01291 and IPR2022-01465 U.S. Patent No. 10,687,745

Before Hon. Josiah C. Cocks, George R. Hoskins, and Robert A. Po
Administrative Patent Judges



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Section

'745 Patent Overview

Iwamiya-Sarantos Combinations

"Surface comprising a dark-colored coating" (elements [1.4] and [20.4])

Recited photodiode arrangement (element [15.4] and claims 6 and 26)*

Combining Iwamiya+Sarantos to determine oxygen saturation (claims 9 and 18) and include a second wavelengt (claims 2 and 27)

"Second shape comprises a width and a length, and wherein the width is different from the length" (Claim 25)*

Sarantos-Shie Combinations

"First shape" and a different "second shape" (elements [1.1]-[1.2] and [20.1]-[20.2])

"Light block having a circular shape" (element [15.3])

Recited photodiode arrangement (element [15.4] and claims 6 and 26)*

"Second shape comprises a circular geometry" (claim 12)

"Second shape comprises a width and a length, and wherein the width is different from the length" (Claim 25)*

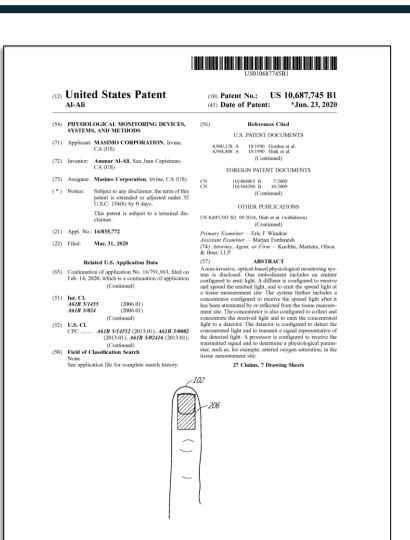
Passonable Expectation of Success ("DEOS") (claims 2 0 18 and 27)



'745 Patent Overview



Overview of the '745 Patent

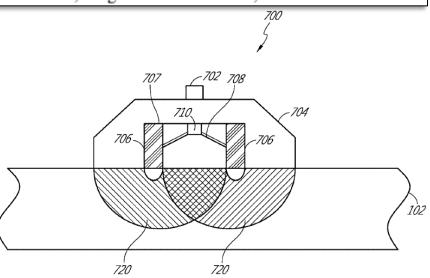


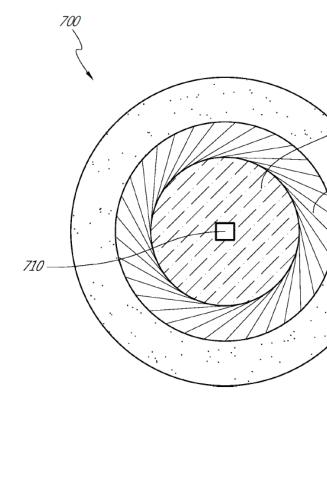
- The '745 Patent was filed Mar 2020, and its earliest claimed date is July 2, 2015.
- The '745 Patent includes 27 c
- The IPR2022-01291 Petition of claims 1, 9, 15, 18, 20, and 27 claims 1, 15, and 20 are independent.
- The IPR2022-01465 Petition of claims 2-6, 8, 10-14, 17, 19, a



Overview of the '745 Patent

FIGS. 7A and 7B are simplified schematic side and top views, respectively, of a 3D reflective pulse oximetry sensor 700 according to an embodiment of the present disclosure. In the illustrated embodiment, the 3D sensor 700 irradiates the tissue measurement site 102 and detects the emitted light that is reflected by the tissue measurement site 102. The 3D sensor 700 can be placed on a portion of the patient's body that has relatively flat surface, such as, for example a wrist, because the emitter 702 and detector 710 are on located the same side of the tissue measurement site 102. The 3D sensor 700 includes an emitter 702, a light diffuser 704, a light block 706, a light concentrator 708, and a detector 710.







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