

Patent Owner Masimo Co Demonstratives For Trial

December 7, 2021

Apple Inc. v. Masimo Corporation

IPR2020-01520 (Patent 10,258,265)

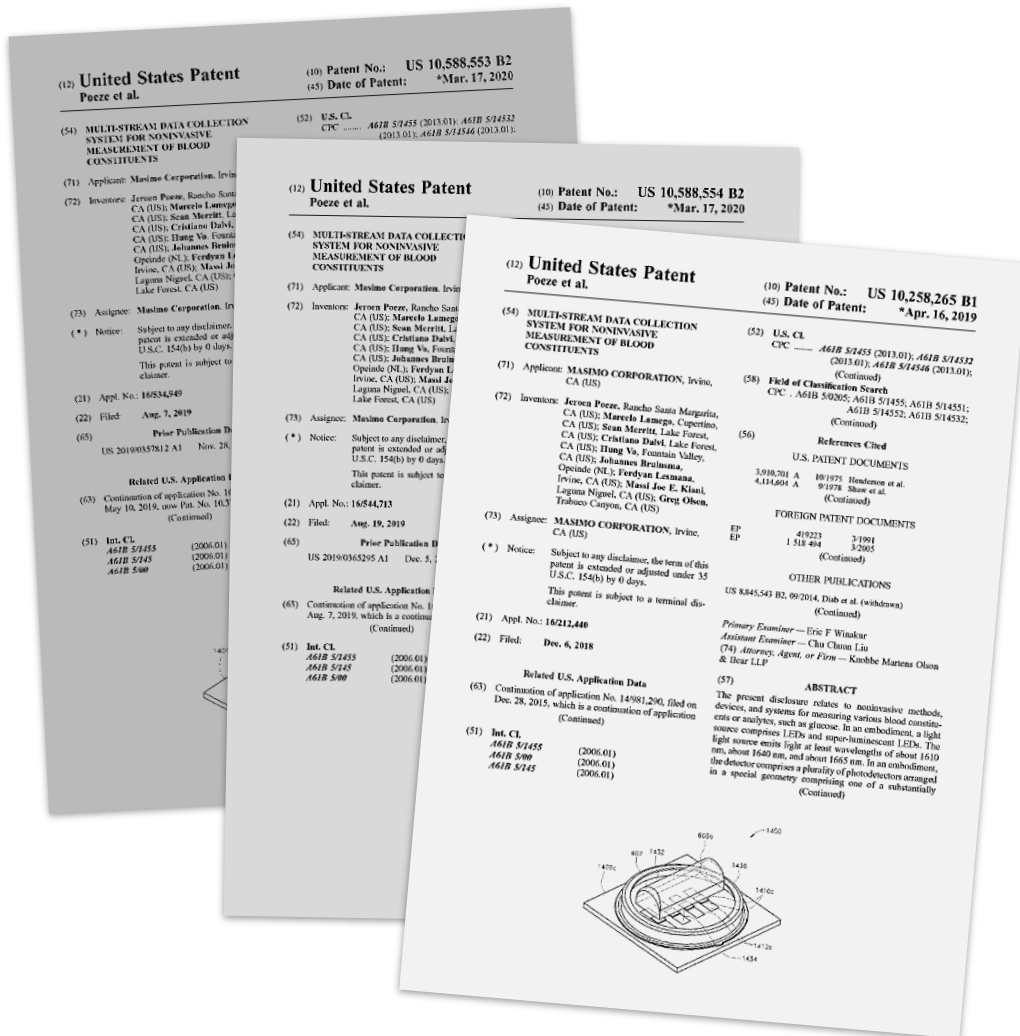
IPR2020-01536 (Patent 10,588,553)

IPR2020-01537 (Patent 10,588,553)

IPR2020-01538 (Patent 10,588,554)

IPR2020-01539 (Patent 10,588,554)

Patents-At-Issue



- ⊙ U.S.
- IP
- ⊙ U.S.
- IP
- ⊙ U.S.
- IP

'554 Patent Claim 1

1. A physiological measurement system comprising:
a physiological sensor device comprising:
a plurality of emitters configured to emit light into tissue of a user;
at least four detectors, wherein each of the at least four detectors has a corresponding window that allows light to pass through to the detector;
a wall that surrounds at least the at least four detectors;
and
a cover that operably connects to the wall and that is configured to be located between tissue of the user and the at least four detectors when the physiological sensor device is worn by the user, wherein:
the cover comprises a single protruding convex surface, and
at least a portion of the cover is sufficiently rigid to cause tissue of the user to conform to at least a portion of a shape of the single protruding convex surface when the physiological sensor device is worn by the user; and

a handheld computing device with the physiological sensor device, the handheld computing device comprising:
one or more processors;
one or more memory devices, the memory devices storing a physiological measurement program;
a touch-screen interface;
wherein:
the user interacts with the touch-screen interface to input a responsive parameter, the responsive parameter being an orientation parameter;
the physiological measurement program is stored on a storage device;
the physiological measurement program is configured to determine at least the responsive parameter.

'554 Patent Claims 11, 17, 28

11. The physiological measurement system wherein the single protruding convex surface has a height between 1 millimeter and 3 millimeters.

17. The physiological measurement system wherein the single protruding convex surface has a height greater than 2 millimeters and less than 3 millimeters.

28. The physiological measurement system wherein the single protruding convex surface has a height greater than 2 millimeters and less than 3 millimeters.

'553 Patent Claim 1

1. A noninvasive optical physiological sensor comprising:
a plurality of emitters configured to emit light through a cover of a user;
at least four detectors, wherein at least one of the at least four detectors is configured to detect light that is attenuated by tissue of the user, and wherein the at least four detectors are arranged on a substrate;
a wall configured to circumscribe at least the at least four detectors; and
a cover configured to be located between tissue of the user and the at least four detectors when the noninvasive optical physiological sensor is worn by the user, wherein the cover comprises a single protruding convex surface operable to conform to tissue of the user, wherein at least a portion of the single protruding convex surface is in contact with the tissue of the user when the noninvasive optical physiological sensor is worn by the user, and wherein the wall connects to the substrate and the cover.

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