

Patent Owner Masimo Co Demonstratives For Trial

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Apple Inc. v. Masimo Corporation
IPR2021-00193 (Patent No. 10,299,700)
IPR2021-00195 (Patent No. 10,376,190)
IPR2021-00208 (Patent No. 10,258,260)
IPR2021-00209 (Patent No. 10,376,190)

'191 Patent Claim 1

1. A noninvasive optical physiological sensor comprising:
a plurality of emitters configured to emit light in a direction towards a portion of a user;
a plurality of detectors configured to detect light that has been attenuated by tissue of the user, wherein the plurality of detectors comprise at least four detectors;
a housing configured to house at least the plurality of detectors in a circular portion of the housing;
a lens configured to be located between tissue of the user and the plurality of detectors when the noninvasive optical physiological sensor is worn by the user, wherein the lens comprises a single outwardly protruding convex surface configured to cause tissue of the user to conform to at least a portion of the outwardly protruding convex surface when the noninvasive optical physiological sensor is worn by the user, and during operation of the noninvasive optical physiological sensor.

'266 Patent Claim 1

1. A noninvasive optical physiological sensor comprising:
a plurality of emitters configured to emit light in a direction towards a portion of a user;
a plurality of detectors configured to detect light that has been attenuated by tissue of the user, wherein the plurality of detectors comprise at least four detectors;
a housing configured to house at least the plurality of detectors; and
a lens configured to be located between the tissue of the user and the plurality of detectors when the noninvasive optical physiological sensor is worn by the user, wherein the lens comprises a single outwardly protruding convex surface configured to cause tissue of the user to conform to at least a portion of the outwardly protruding convex surface when the noninvasive optical physiological sensor is worn by the user, and during operation of the noninvasive optical physiological sensor.

'190 Patent Claim 1

1. A noninvasive optical physiological measurement device adapted to be worn by a wearer, the noninvasive optical physiological measurement device providing a measurement and communication of a physiological parameter of the wearer, comprising:

one or more light emitters;

a housing having a surface and a circular ring extending from the surface;

at least four detectors arranged on the surface and spaced apart from each other, the at least four detectors configured to output one or more signals responsive to light received from the one or more light emitters attenuated through the tissue, the one or more signals indicative of the physiological parameter of the wearer; and

a light permeable cover arranged above at least a portion of the housing, the light permeable cover comprising a protrusion arranged to cover the at least four detectors.

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