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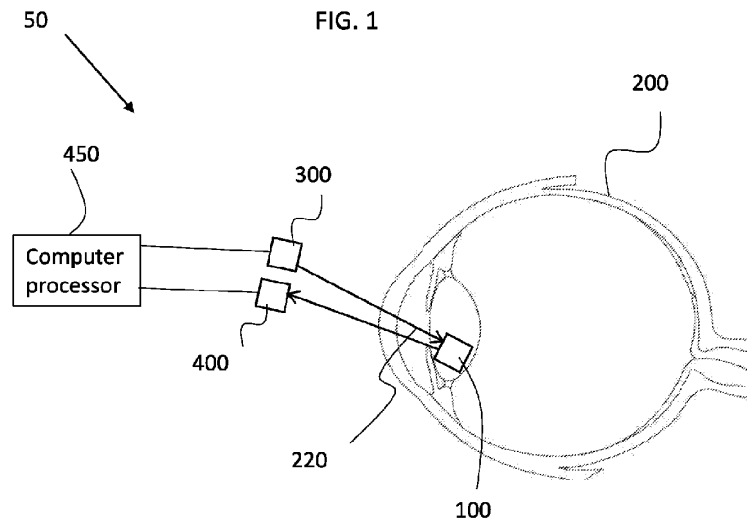
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(54) Title: OPTICAL DEVICE FOR INTRAOCULAR MEASUREMENTS



(57) Abstract: Apparatus and methods are described including illumination equipment (300) configured to direct light into an eye of a subject. An optical device (100) is placed inside the subject's eye, the optical device including a Fabry Perot interferometer (106) comprising at least two mirrors (162, 164), the Fabry Perot interferometer (106) being configured such that a distance between the mirrors (162, 164) varies as an intraocular parameter of the subject's eye varies. A retroreflector (140) is configured such that light that is transmitted through the Fabry Perot interferometer (106) is automatically reflected out of the subject's eye. Readout equipment (400) is configured to detect the light that is reflected out of the subject's eye. Other applications are also described.

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