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(54) **SYSTEM AND METHOD FOR IMPROVING SCLERAL SPUR VISIBILITY IN ANTERIOR SEGMENT OCT IMAGES**

(57) A system arranged to process an anterior-segment optical coherence tomography, AS-OCT, image comprising representations of portions of a scleral spur of an eye to obtain a geometric measurement of the eye, comprising data processing hardware arranged to: process the AS-OCT image to acquire respective locations in the AS-OCT image of the representations of the portions of the scleral spur of the eye in the AS-OCT image; and obtain the geometric measurement based on the

acquired locations. The system further comprises an OCT imaging system which is operable to acquire the AS-OCT image and comprises a fixation target to fix a gaze direction of the eye during acquisition of the AS-OCT image such that an axis in the AS-OCT image corresponding to a pupillary axis of the eye is aligned with a direction in the AS-OCT image corresponding to an axial imaging direction of the OCT imaging system.

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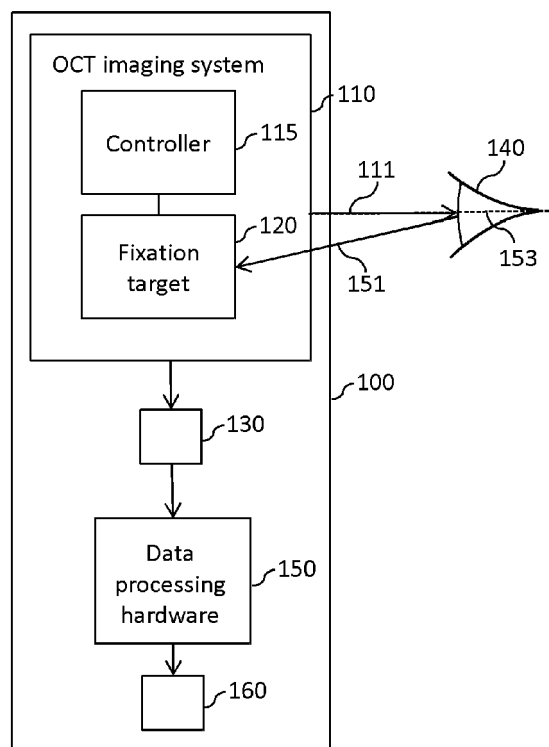


Fig. 1