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(54) **A FOURIER-DOMAIN OCT APPARATUS FOR OPTORETINOGRAPHY**

(57) A Fourier-domain OCT apparatus for acquiring optoretinography data, comprising: an optical system which applies an optical stimulus to a retina of an eye; an OCT imaging system which acquires OCT data from the retina; and a controller which: controls the OCT imaging system to acquire OCT data of a plurality of portions of the retina such that, for each portion, at least some of the OCT data from the portion is acquired after a respective optical stimulus has been applied to the portion; generates, based on the OCT data, respective ORG data for each portion which indicates the response of the portion to the optical stimulus; and stores respective ORG data generated for each portion in association with a respective position in a visual field of the eye that is optically conjugate with a position of the portion on the retina.

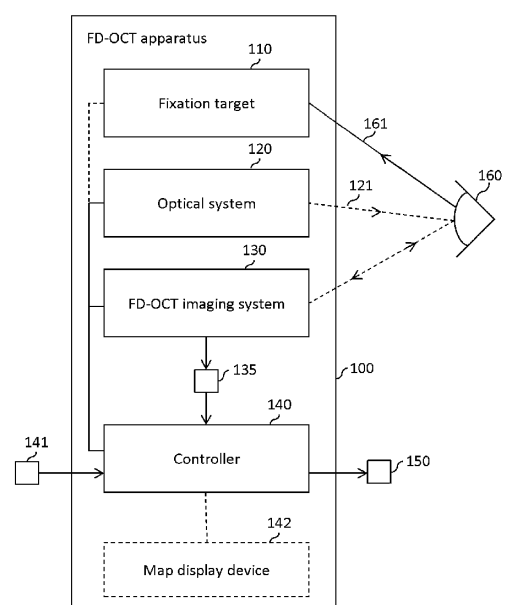


Fig. 1