

Title (en)

METHOD AND DEVICE FOR DETERMINING A MOVEMENT OF A HUMAN EYE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG EINER BEWEGUNG EINES MENSCHLICHEN AUGES

Title (fr)

PROCEDE ET SYSTEME POUR DETERMINER UN MOUVEMENT D'UN OEIL

Publication

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Application

EP 04739667 A 20040607

Priority

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Abstract (en)

[origin: WO2004110261A1] Disclosed is a device for determining a movement of a human eye (1) located in front of said device. The inventive device comprises an illumination apparatus by means of which optical radiation can be produced and can be emitted as an illumination beam (13, 13', 13'') in order to illuminate at least one area on the cornea (7) of the eye (1), a distance determining apparatus (17) by means of which the illumination beam (13, 13', 13'') reflected by the cornea (7) as a detection beam (14, 14', 14'') can be received in a time-resolved manner and a distance signal corresponding to a distance of the cornea (7) from a reference plane (12, 12', 12'') that is defined relative to the distance determining apparatus (17) can be generated by using the received optical radiation of the detection beam (14, 14', 14''), and an evaluation unit (11) by means of which a position signal or movement signal corresponding to a position or movement of the eye (1) can be generated by using the distance signal.

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