

Title (en)

METHOD AND DEVICE FOR IDENTIFYING AN ANGLE ON AN EYE OF A PATIENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR IDENTIFIZIERUNG EINES WINKELS BEI EINEM AUGEN EINES PATIENTEN

Title (fr)

PROCEDE ET DISPOSITIF D'IDENTIFICATION D'UN ANGLE SUR UN OEIL DE PATIENT

Publication

**EP 3052003 A1 20160810 (FR)**

Application

**EP 14790218 A 20141002**

Priority

- FR 1359672 A 20131004
- FR 2014052494 W 20141002

Abstract (en)

[origin: WO2015019034A1] A method and device for identifying an angle on an eye of a patient. A method for identifying, on an eye of a patient, an operating angle measured in an angular reference mark (60) formed of the centre of the eye and a horizontal axis passing through the centre of the eye, said axis being within a horizontal plane (xt, yt) of a reference mark of a predefined terrestrial reference frame (xt, yt, zt), consists of: forming an optical image of the eye on a planar sensitive surface (26) of a digital sensor (20), said sensor being provided with a reference mark (x, y, z) comprising first and second axes (x, y) of said sensitive surface (26); acquiring a digital image of the optical image of the eye formed on said sensitive surface (26), said image being provided with a reference mark consisting of first and second axes corresponding respectively to said first and second axes of the reference mark of the digital sensor; during the acquisition of the digital image of the eye, measuring the rotation of the reference mark (x, y, z) of the digital sensor (20) relative to the reference mark (xt, yt, zt) of the terrestrial reference frame; defining a tilt angle (H) defined between the first axis (x) of the reference mark of the digital sensor (20) and the intersection of the horizontal plane (xt, yt) of the reference mark (xt, yt, zt) of the terrestrial reference frame with the sensitive surface (26); determining an angular reference mark (60) in the digital image of the eye, consisting of the digital image of the centre of the eye and an axis angularly separated from the first axis of the reference mark of the digital image by the defined tilt angle (H); transferring the operating angle to the angular reference mark (60) of the digital image; and displaying the digital image of the eye with a mark (62) indicating the transferred operating angle.

IPC 8 full level

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Citation (search report)

See references of WO 2015019034A1

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