

Title (en)

VISION CORRECTION AID SYSTEM

Title (de)

HILFSSYSTEM ZUR SEHKORREKTUR

Title (fr)

SYSTEME D'AIDE POUR LA CORRECTION DE LA VUE

Publication

**EP 1937133 A2 20080702 (FR)**

Application

**EP 06807475 A 20061023**

Priority

- EP 2006067667 W 20061023
- FR 0510778 A 20051021

Abstract (en)

[origin: WO2007045694A2] The invention relates to a system that is used to aid in determining vision correction. The inventive system is characterised in that it combines: a camera which can take animated images of the subject's face along a determined visual axis; a display device which represents the images taken by the camera; an accessory which can be worn by the subject in a fixed manner on the head and which bears a plurality of visual reference marks; means which form the visual reference mark(s) and which can cover at least two determined regions in relation to the camera; and image-analysis means which can analyse the position of the visual reference marks in the images taken by the camera and deduce therefrom the position and spatial orientation of the accessory and, consequently, the subject's head when the subject is looking at a visual target, in order to ascertain information relating to the visual behaviour of the subject when the subject moves the direction in which he/she is looking.

IPC 8 full level

**A61B 3/113** (2006.01)

CPC (source: EP KR US)

**A61B 3/032** (2013.01 - EP US); **A61B 3/113** (2013.01 - KR); **A61B 3/145** (2013.01 - EP US); **G02C 13/005** (2013.01 - EP US)

Citation (search report)

See references of WO 2007045694A2

Citation (examination)

- GB 2375821 A 20021127 - GALLOWAY PETER HAMILTON [GB]
- WO 0162139 A1 20010830 - SOLA INT HOLDINGS [AU], et al
- EP 1747750 A1 20070131 - INDO INT SA [ES]
- WO 2005107576 A1 20051117 - INDO INT SA [ES], et al
- US 5570301 A 19961029 - BARRUS JOHN W [US]
- EP 1403680 A1 20040331 - BOEING CO [US]
- W P MEDENDORP ET AL: "Human Gaze Stabilization During Active Head Translations", JOURNAL OF NEUROPHYSIOLOGY, 1 January 2002 (2002-01-01), pages 295 - 304, XP055169553, Retrieved from the Internet <URL:http://jn.physiology.org/content/jn/87/1/295.full.pdf> [retrieved on 20150213]

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