

Title (en)

DEVICE FOR TAKING PHOTOGRAPHS OF THE FUNDUS OF THE EYE (FUNDUS OCULI)

Title (de)

VORRICHTUNG ZUR FOTOGRAFISCHEN AUFNAHME DES AUGENHINTERGRUNDS (FUNDUS OCULI)

Title (fr)

DISPOSITIF D'ENREGISTREMENT PHOTOGRAPHIQUE DU FOND DE L'IL

Publication

**EP 1993432 A1 20081126 (DE)**

Application

**EP 06705387 A 20060313**

Priority

CH 2006000147 W 20060313

Abstract (en)

[origin: WO2007104165A1] The device is used for taking photographs of the fundus of the eye (fundus oculi). It comprises: A) an illumination source (1); B) illumination optics (1; 2; 4; 8; 9; 10), which generate light in at least two different frequency bands and which can sequentially direct the light onto the fundus; C) focusing optics (2; 3; 14; 15; 16), which can sequentially generate images of the fundus that is illuminated with different frequency bands; and D) a photographic camera (3), which can record the generated images. The device makes it possible, with minimal illumination intensity and without medicinally induced dilation of the patient's pupils, to generate high-quality colour images and, moreover, to record spectrally resolved images. The device also makes it possible to determine different blood values, particularly the haemoglobin concentration, and the opacity of the crystalline lens.

IPC 8 full level

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CPC (source: EP US)

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