

Title (en)

DEVICE AND METHOD FOR THE QUANTITATIVE DETECTION OF DISORDERS IN THE FIELD OF VISION

Title (de)

VORRICHTUNG UND VERFAHREN ZUR QUANTITATIVEN ERFASSUNG VON STÖRUNGEN DES GESICHTSFELDS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉTECTION QUANTITATIVE DE TROUBLES DU CHAMP VISUEL

Publication

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Application

EP 16753878 A 20160811

Priority

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Abstract (en)

[origin: WO2017029193A1] The present invention relates to a device and to a method for the qualitative detection of disorders in the field of vision of an eye of the test subject, in particular in the case of eye diseases which are associated with macular edema, wherein a square grid is displayed on a display device, whose grid lines which are perceived by the test subject as curved can be modified by said method in such a way that the subject can view an orthogonal reticule again. Such lines which are perceived as curved can be modified by input signals which modify the boundary curves defined by the boundary functions in such a way that the originally displayed linear reticule can be perceived again, wherein the geometric deviations, caused by transformation, of the regions of the square reticule, which are perceived as curved, of the originally present squares are determined quantitatively as the sum of the absolute values of the horizontal deviations and as the sum of the absolute values of the vertical deviations.

IPC 8 full level

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