

Title (en)

DEVICES AND METHODS FOR NOVEL RETINAL IRRADIANCE DISTRIBUTION MODIFICATION TO IMPROVE AND RESTORE VISION WITHOUT PRODUCING CORNEAL VITRIFICATION

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR NEUARTIGEN MODIFIKATION DER RETINALEN BESTRAHLUNGSVERTEILUNG ZUR VERBESSERUNG UND WIEDERHERSTELLUNG DER SICHT OHNE ERZEUGUNG VON HORNHAUTVERGLASUNG

Title (fr)

DISPOSITIFS ET PROCÉDÉS DESTINÉS À UNE NOUVELLE MODIFICATION DE DISTRIBUTION D'ÉCLAIREMENT ÉNERGÉTIQUE RÉTINIENNE AFIN D'AMÉLIORER ET DE RESTAURER LA VISION SANS PRODUIRE DE VITRIFICATION DE LA CORNÉE

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Application

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Priority

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Abstract (en)

[origin: WO2022125116A1] Methods and apparatus to improve or restore vision by causing a rebooting of the visual system of an eye with modification of visual search, sampling and stimulation away from the preferred retinal locus of fixation of an eye to enhance neural integration and perception of visual information from within the field of view are described herein. Some embodiments cause transient, reversible or repeatable redirection of environmental light away from the preferred retinal locus of fixation of an eye to multiple retinal locations that are not the preferred retinal locus of fixation. Some embodiments reduce exposure of environmental light at the preferred retinal locus of fixation of an eye for a determinable interval at a determinable rate. Some embodiments cause a defocusing of environmental light at the preferred retinal locus of fixation in an eye with a visual impairment or loss.

IPC 8 full level

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