

Title (en)

UV-LASER-BASED SYSTEM FOR CORRECTING IMPAIRED VISION, AND METHOD FOR CENTERING SAME

Title (de)

UV-LASER BASIERTES SYSTEM ZUR FEHLSICHTIGKEITSKORREKTUR UND VERFAHREN ZU DESSEN ZENTRIERUNG

Title (fr)

SYSTÈME À BASE DE LASER UV POUR CORRIGER UNE DÉFICIENCE VISUELLE, ET SON PROCÉDÉ DE CENTRAGE

Publication

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Application

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Abstract (en)

[origin: WO2021239605A1] The invention relates to a UV-laser-based system, UVL-LVC system (100), for correcting the impaired vision of a patient's eye (10). The UVL-LVC system (100) has a UV-laser source (102), which is designed to emit laser radiation in order to treat the patient's eye (10), and imaging optics (124) for focusing the laser radiation onto the cornea (12) of the patient's eye (10), wherein the imaging optics (124) are designed to allow a detection of a reflection (126) of radiation, which is emitted onto the cornea (12) of the patient's eye (10) by means of the imaging optics (124) and is at least partly reflected back by the cornea (12) of the patient's eye (10), back into the imaging optics at an acceptance angle  $\chi_{\text{Max}}$  of at least  $2.5^\circ$ . The invention additionally relates to a method for centering a UVL-LVC system (100).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021239605A1

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