

Title (en)

UV LASER-BASED SYSTEM FOR REFRACTIVE ERROR CORRECTION, AND CONTACT INTERFACE

Title (de)

UV-LASER BASIERTES SYSTEM ZUR FEHLSICHTIGKEITSKORREKTUR UND KONTAKTINTERFACE

Title (fr)

SYSTÈME À LASER UV POUR LA CORRECTION DE L'AMÉTROPIE ET INTERFACE DE CONTACT

Publication

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Application

**EP 21729231 A 20210521**

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Abstract (en)

[origin: WO2021239601A1] The invention relates to ultraviolet laser-based (UVL) laser vision correction (LVC) systems (50), that is to say to systems for refractive error correction by means of laser radiation. The invention furthermore relates to a contact interface (10) and a contact interface system (1) for such a UVL-LVC system (50). The problem addressed thereby is that of proposing a coupling and affixation between the patient's eye (110) and the UVL-LVC system (50) by means of a contact interface (10) for the purposes of preventing eye movements when using UVL-LVC systems (50). This problem is solved by a UVL-LVC system (50) with a base unit (52) and an application arm (55) which has a contact interface adapter (40) on the application part (60) of the application arm, to which a contact interface (10) is able to be affixed, the latter being able to be used to affix a patient's eye (110) to the UVL-LVC system. Moreover, this problem is solved by a contact interface (10) with a conical wall (11) and a suction ring (12) but without a lens element, and preferably with an access opening (14) or with a corresponding contact interface system (1) made of contact interface adapter (40) and contact interface (10).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2021239601A1

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