

Title (en)

RADIATION TREATMENT SYSTEM AND METHODS FOR CORRECTING VISION

Title (de)

BESTRAHLUNGS-SYSTEM UND -VERFAHREN ZUR KORREKTUR DES SEHRVERMÖGENS

Title (fr)

SYSTEME DE TRAITEMENT PAR RAYONNEMENT ET PROCEDE POUR CORRIGER LA VUE

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Application

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Abstract (en)

[origin: WO0013629A1] An automated system, and method of using same, are described for advantageously preparing and treating an eye of the patient. The present invention further provides such a system and method for a vision-corrective procedure, such a photothermal keratoplasty. The automated system and method are useful to dry the cornea to reduce or eliminate a tear film on the corneal surface that might otherwise interfere with or reduce the efficacy of a vision-corrective procedure and thereafter to treat the cornea according to a vision-corrective procedure. The automated system is user-friendly, allowing the treatment provider to develop or to select an appropriate pre-treatment and treatment plan and to activate same using a familiar "Windows" environment. While the invention has particular application in the area of automated corneal preparation and treatment, it may be used in the automated preparation and treatment of other tissues or substrates.

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