

Title (en)
DEVICE FOR SHAPING THE CORNEA

Title (de)
VORRICHTUNG ZUR FORMUNG DER CORNEA

Title (fr)
DISPOSITIF DE FA ONNAGE DE LA CORNEE

Publication
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Application
EP 95936949 A 19951122

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Abstract (en)
[origin: WO9615742A1] The description relates to a device for shaping the cornea with a laser, the beam of which has a circular mode distribution and a beam shaping and guiding device which directs the laser beam to the cornea. In the invention, to make the energy density uniform over the radiation cross-section, the beam shaping device has a focussing lens to focus the broadened laser beam, a diffracting component which is arranged at a short distance from the focal plane of the focussing lens and the maximum diffractions of which interfere with the minima of the mode distribution, and an image field diaphragm arranged at a point optically conjugated with the cornea.

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Citation (search report)
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