

Title (en)

DEVICE FOR THE FINE MACHINING OF OPTICALLY ACTIVE SURFACES ON IN PARTICULAR SPECTACLE LENSES

Title (de)

VORRICHTUNG ZUR FEINBEARBEITUNG VON OPTISCH WIRKSAMEN FLÄCHEN AN INSBESONDERE BRILLEGLÄSERN

Title (fr)

DISPOSITIF D'USINAGE DE PRÉCISION DE SURFACES À EFFET OPTIQUE, NOTAMMENT SUR DES VERRES DE LUNETTES

Publication

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Application

EP 12710659 A 20120315

Priority

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Abstract (en)

[origin: WO2012123120A1] There is disclosed a device (10) for the fine machining of optically active surfaces on in particular spectacle lenses, having a spindle shaft (32) which has a tool-holder portion (34) and is mounted in a spindle housing (36) such that it can rotate about a tool rotation axis (A), and having an electric rotary drive (38) which has a rotor (40) and a stator (42) and by means of which the spindle shaft operatively connected to the rotor can be driven in rotation about the tool rotation axis, while the tool-holder portion can be displaced axially in the direction of the tool rotation axis. A particular feature of this device is that the rotor and the stator and the spindle shaft are arranged coaxially in the spindle housing, which for its part is guided in a guide tube (44) in a defined axially displaceable manner (2) in the direction of the tool rotation axis, wherein the spindle shaft is in the form of a hollow shaft, via which the tool-holder portion, which is configured to hold a membrane chuck (46), can be subjected to a fluid, this bringing about in particular a very compact structure and allowing rapid axial compensating movements of the tool during fine machining.

IPC 8 full level

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