

Title (en)

FINE MACHINING DEVICE FOR OPTICALLY ACTIVE SURFACES PARTICULARLY ON SPECTABLE LENSES

Title (de)

VORRICHTUNG ZUR FEINBEARBEITUNG VON OPTISCH WIRKSAMEN FLÄCHEN AN INSBESONDERE BRILLEGLÄSERN

Title (fr)

DISPOSITIF DE FINITION DE SURFACES OPTIQUEMENT ACTIVES PARTICULIÈREMENT SUR LES VERRES DE LUNETTES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2016058663A1] The invention relates to a device (10) for finely machining optically effective surfaces on, in particular, eyeglass lenses as workpieces, comprising a workpiece spindle (14), which protrudes into a working space (13) and by means of which a workpiece to be polished can be rotationally driven about a workpiece axis of rotation (C), and two tool spindles (16, 16'), which are associated with the workpiece spindle and which protrude into the working space oppositely to the workpiece spindle. On each tool spindle, a polishing tool (18, 18') can be rotationally driven about a tool axis of rotation (A, A') and is retained in such a way that the polishing tool can be axially advanced (advancing axis Z, Z') along the tool axis of rotation. Furthermore, the tool spindles can be moved together in relation to the workpiece spindle along a linear axis (X) extending substantially perpendicularly to the workpiece axis of rotation and can be pivoted about different pivoting adjustment axes (B, B'), which extend substantially perpendicularly to the workpiece axis of rotation and substantially perpendicularly to the linear axis. The tool spindles are arranged one behind the other as viewed in the direction of the linear axis. As a result of the chosen arrangement, the device is very compact and can be used in a versatile manner for various polishing processes and polishing strategies.

IPC 8 full level

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