

Title (en)
METHOD AND APPARATUS FOR POLISHING OPHTHALMIC LENSES

Title (de)
VERFAHREN UND VORRICHTUNG ZUM POLIREN VON OPTISCHEN LINSEN

Title (fr)
PROCEDE DE POLISSAGE DE VERRES OPHTALMIQUES ET APPAREIL CORRESPONDANT

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Abstract (en)
[origin: WO9938650A1] The invention pertains to an improved method, a lapping tool head (82) and a lens polishing apparatus for carrying out the method, for polishing ophthalmic lenses (26). The apparatus has a lapping tool head (82), a flexible membrane (134) covering a lapping portion of the tool head (82), and pump and nozzle for pumping abrasive slurry over the lapping tool head. The new method comprises the conventional step of imparting an oscillatory movement to the lapping tool head (82) and contacting the lens surface with the lapping portion of the lapping tool head while an abrasive slurry is pumped over the lapping tool head (82). The improvement comprises the additional step of periodically undulating the membrane (134) for imparting a wave in that membrane such that the abrasive slurry can flow between the membrane and the lens surface. The lapping slurry is efficiently moved over the entire surface of the lens for improving the quality of the lenses (26) polished by this process.

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