

Title (en)
GRINDING MACHINE FOR EDGING SPECTACLE GLASSES

Publication
EP 0237830 A3 19880210 (DE)

Application
EP 87102479 A 19870221

Priority
DE 3608957 A 19860318

Abstract (en)
[origin: US4766699A] An apparatus for grinding the edges of lenses. A lens shaft is mounted on a frame, and a motor driven grinding wheel is provided that can be moved against a lens as well as parallel to the lens shaft. A chamber is mounted on the frame and accommodates a lens and the grinding wheel. A chamber has an observation window and walls, including oppositely disposed side walls that extend essentially perpendicular to the lens shaft, with these walls enclosing, and being spaced slightly from, the grinding wheel and the lens. The chamber has a width, i.e. the distance between the side walls, that is approximately equal to the thickness of the grinding wheel plus the axial displacement stroke of the latter. A wheel shaft that extends through one of the side walls of a chamber has two ends, one of which is disposed in the chamber and carries the grinding wheel, while the other end extends beyond the one side wall. A mechanism is provided that supports and drivingly interconnects the wheel shaft to a motor, with this mechanism being displaceably mounted on the frame in such a way that the mechanism and the wheel shaft, and hence the grinding wheel, can be moved toward and away from the lens, and parallel to the lens shaft, in two planes or directions that are essentially perpendicular to one another.

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CPC (source: EP US)
B24B 9/14 (2013.01 - EP US); **B24B 55/04** (2013.01 - EP US)

Citation (search report)
• [AD] GB 2151956 A 19850731 - ESSILOR INT
• [A] US 3449866 A 19690617 - SUDDARTH JACK M

Cited by
CN107009219A; FR2633542A1; CN103481171A

Designated contracting state (EPC)
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