

Title (en)

DEVICE FOR CENTERING OPTICAL LENSES FOR MECHANICAL CLAMPING, ESPECIALLY DURING BEVELLING AND FACETTING

Publication

**EP 0322579 A3 19900905 (DE)**

Application

**EP 88119934 A 19881130**

Priority

DE 3744115 A 19871224

Abstract (en)

[origin: EP0322579A2] To centre optical lenses for mechanical clamping, especially during bevelling and facetting, the invention proposes a device with a housing (10) in which a motor drive (M, R) acts via a torque divider (50), drive shafts (14, 14') and transmission elements (16, 16') on centring spindles (18, 18') in alignment with one another. The latter are arranged in guide bearings (22, 22') on projecting parts of the C-shaped housing (10) and are designed as an air bearing. The clamping angle (  $\alpha$  ) at the lens (L) can thereby be kept in the range below  $2 \times 8 \text{ DEG}$  , preferably below  $2 \times 6 \text{ DEG}$  . The lower centring spindle (18) in particular is axially adjustable in a free-running manner in the air bearing (22), for which purpose axially parallel and/or index-ring-shaped grooves (90) are provided at the ends of a thin-walled guide sleeve (76), between which peripheral air-cushion zones build up when compressed air is supplied. The axial infeed of the clamping spindle (18) is effected by a clamping device (24) with a yoke plate (26) and a diaphragm piston (32). <IMAGE>

IPC 1-7

**B24B 13/005**

IPC 8 full level

**B24B 9/14** (2006.01)

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Citation (search report)

- [A] DE 2756407 A1 19790621 - PRONTOR WERK GAUTHIER GMBH
- [A] US 3599377 A 19710817 - DARTNELL ROBERT C
- [A] DE 8702561 U1 19870604

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