Title (en)

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

Publication

EP 0323572 A3 19900829 (DE)

Application

EP 88119936 A 19881130

Priority

DE 3744118 A 19871224

Abstract (en)

[origin: EP0323572A2] According to the invention, a device with a housing (10) which has a drive (M, R, 14/14', 16/16') for a bottom centring spindle (18) and a top centring spindle (18') with a torque divider (50) in between serves to centre optical lenses for mechanical clamping, especially during bevelling and facetting. The centring spindles are held in alignment by guide and clamping bearings (22, 22') and carry bell-shaped clamping elements (20, 20') between which the lens (L) to be machined can be clamped. For this purpose, a clamping means (24) is connected in parallel with a diaphragm piston (32), as a result of which a graduated sensitive in-feed of the bottom centring spindle (18) in axial direction (A) towards the top centring spindle (18') is guaranteed. A short-stroke piston (38) is located in each pressure cylinder (28). A long-stroke piston (40) with a through-bore (42) is arranged downstream of the short-stroke piston (38). The bottom centring spindle (18) is axially supported on the yoke (26) via the diaphragm piston (32) and can be driven independently of the state of the clamping means (24). <IMAGE>

IPC 1-7

B24B 13/005

IPC 8 full level

B24B 9/14 (2006.01); **B24B 13/005** (2006.01)

CPC (source: EP US)

B24B 9/146 (2013.01 - EP US); **B24B 13/005** (2013.01 - EP US); Y10S 82/903 (2013.01 - EP US); Y10T 82/2562 (2015.01 - EP US); Y10T 82/2571 (2015.01 - EP US); Y10T 82/26 (2015.01 - EP US)

Citation (search report)

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- [Y] DE 8702561 U1 19870604
- [A] US 3599377 A 19710817 - DARTNELL ROBERT C

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EP2666589A3; EP4194143A3

Designated contracting state (EPC)

CH ES FR GB IT LI

DOCDB simple family (publication)

EP 0323572 A2 19890712; **EP 0323572 A3 19900829**; **EP 0323572 B1 19930203**; DE 3744118 A1 19890706; DE 3744118 C2 19940421; ES 2037806 T3 19930701; US 4926588 A 19900522

DOCDB simple family (application)

EP 88119936 A 19881130; DE 3744118 A 19871224; ES 88119936 T 19881130; US 28992288 A 19881223