

12 **EUROPEAN PATENT APPLICATION**

21 Application number: **87117908.1**

51 Int. Cl.4: **B24B 13/01 , B24B 45/00**

22 Date of filing: **03.12.87**

30 Priority: **03.12.86 US 937251**

43 Date of publication of application:
08.06.88 Bulletin 88/23

84 Designated Contracting States:
AT BE CH DE ES FR GB GR IT LI LU NL SE

88 Date of deferred publication of the search report:
28.06.89 Bulletin 89/26

71 Applicant: **COBURN OPTICAL INDUSTRIES, INC.**
4606 South Garnett Road
Tulsa Oklahoma(US)

72 Inventor: **Gray, Roy**
2027 Columbus
Muskogee Oklahoma(US)

74 Representative: **Schmidt-Evers, Jürgen,**
Dipl.-Ing. et al
Patentanwälte Dipl.-Ing. H. Mitscherlich
Dipl.-Ing. K. Gunschmann Dipl.-Ing.
Dr.rer.nat. W. Körber Dipl.-Ing. J.
Schmidt-Evers Dipl.-Ing. W. Melzer
Steinsdorfstrasse 10
D-8000 München 22(DE)

54 **Quick-change lens tool.**

57 A lens grinding tool having a cylindrical shank and a radial shoulder is secured to the shaft of a motor for rapidly rotating the tool, by means of a drawbar extending the length of the shaft and threaded into an axial threaded bore in the cylindrical shank. The location of the tool is precisely fixed by means of ring-shaped shims adapted for placement about the cylindrical shank of the tool between the shoulder and either a mating surface on the shaft or intermediate means for securing the tool to the shaft.

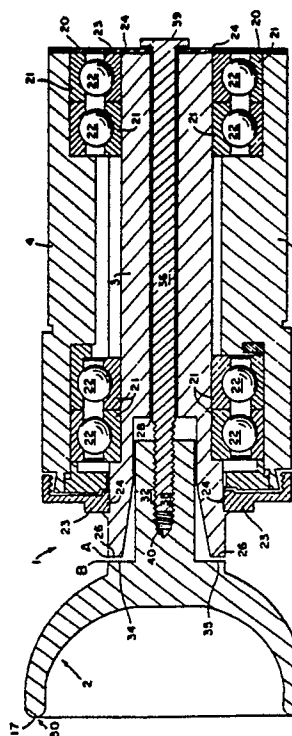


FIG. 3



DOCUMENTS CONSIDERED TO BE RELEVANT			EP 87117908.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	US - A - 2 455 597 (METZGER) * Totality * --	1, 3, 9, 10, 11	B 24 B 13/01 B 24 B 45/00
A	GB - A - 2 073 065 (WYLDE) * Page 2, lines 1-42; fig. 1 * --	1	
A	GB - A - 1 454 248 (ESSILOR) * Page 3, line 111 - page 4, line 50; fig. 2 * --	1	
A	US - A - 2 643 492 (BURROUGHS) -----		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.4) B 24 B
Place of search VIENNA		Date of completion of the search 10-04-1989	Examiner LEBZELTERN
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			