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EUROPEAN PATENT APPLICATION

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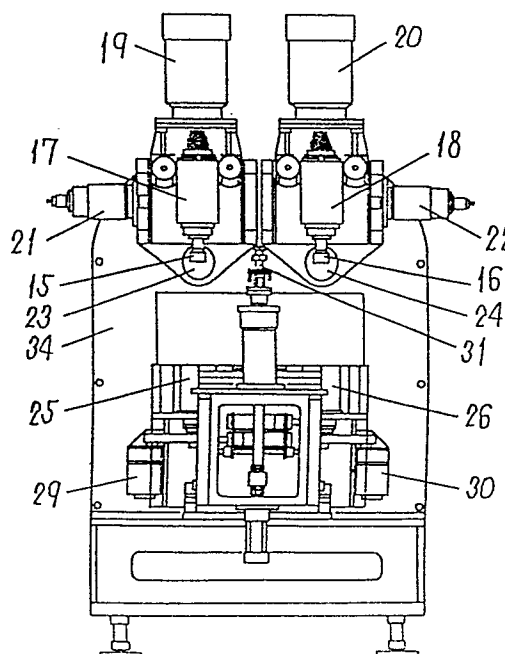
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㉚ **Spherical surface grinding device.**

㉛ The device of this invention has a holder (12, 28) for holding the work (9, 27), work shafts (25, 26) on each of which the holder is mounted, and each of which feeds in the work in the axial direction, and grinding tools (15, 16) each arranged at a specified slope angle for grinding the aforementioned work (9, 27) to the prescribed spherical shape, the aforementioned work shafts (25, 26) and grinding tools (15, 16) being adapted for rough grinding and for precision grinding, respectively, and it is equipped with a transferring device (11, 13, 32, 33) for bringing the holder (12, 28) holding the aforementioned work (9, 27) to the work shaft (25) for rough grinding and to the work shaft (26) for precision grinding, further, the work shaft (25) for rough grinding being provided with a mechanism for forced cutting-in against the grinding tool (15), and the work shaft (26) for precision grinding with a mechanism for constant pressure cutting-in, whereby well finished surface may be realized at high efficiency and after-processings are spared. Accordingly, this invention is quite advantageous in maintenance and control of precision and cost reduction.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	US-A-1 432 093 (TAYLOR) * claim 9; page 1, line 106 - page 2, line 43; page 2, lines 62-88; figures 1-3,9 *	1-6	B 24 B 11/00 B 24 B 13/00
A	--- US-A-3 775 909 (BEST et al.) * abstract *	1	
P,A	--- PATENT ABSTRACTS OF JAPAN, vol. 7, no. 165 (M-230)[1310], 20th July 1983; & JP-A-58 071 056 (NIHON KOUGAKU KOGYO K.K.) 27-04-1983	1	
A	--- US-A-2 493 206 (OKEY) * column 1, line 31 - column 4, line 5; figure 2 *	1	
A	--- US-A-2 643 491 (BURROUGHS) * column 2; column 5, lines 50-60 * -----	1	TECHNICAL FIELDS SEARCHED (Int. Cl. ³) B 24 B 11/00 B 24 B 13/00 B 24 B 41/06
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 08-11-1985	Examiner MARTIN A E W
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			

