

①② **EUROPEAN PATENT APPLICATION**

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B 24 B 5/16

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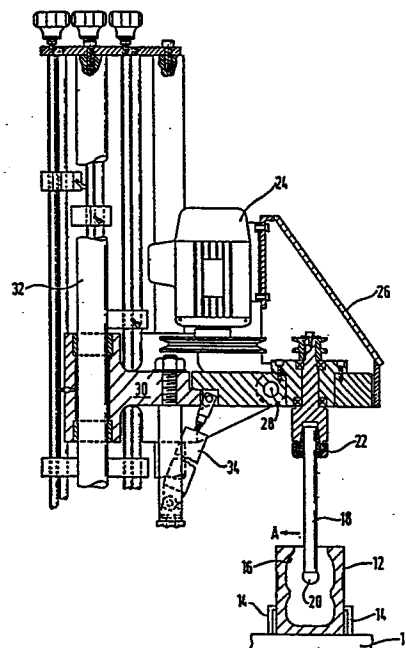
③④ Designated Contracting States: **AT BE CH DE FR GB IT**
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⑤④ **Polishing machine.**

⑤⑦ A polishing apparatus comprises a rotatable table (10) on which the article to be polished (12) is mounted. An arm (18) carrying a rotatable polishing head (20) of abrasive material is mounted above the table (10) and is capable of being traversed towards and away from the table. The mounting of the polishing arm includes a pivot (28) so that the arm may be tilted under the action of a fluid operated cylinder (34) whereby to bring the polishing head (20) into contact with the surface to be polished (16). The fluid operated cylinder, preferably a pneumatic cylinder, is connected into a fluid circuit having a pressure regulator in its outlet so as to apply constant pressure to the arm (18).





European Patent
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EUROPEAN SEARCH REPORT

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EP 84 30 0915

| 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-3 611 642 (STOY) * Column 3, line 3 - column 5, line 29; figures 1,2 * | 1,5-7 | B 24 B 29/00 B 24 B 5/08 B 24 B 5/16 |
| A | --- DE-A-2 417 470 (TREVISAN) * Claim 1; page 3, lines 11-25; page 8, lines 6-9 * | 1,3 | |
| A | --- US-A-2 558 300 (KNAPP) * Column 5, lines 27-34; column 7; figures 2,5 * | 1,7 | |
| A | --- DE-B-1 246 454 (ARMYTAGE) * Column 2, lines 31-45 * | 1 | |
| A | --- DE-A-2 722 021 (SOCIETE S.H.C. S.A.) * Figures 1,2 * | 1 | TECHNICAL FIELDS SEARCHED (Int. Cl. ³) |
| A | --- US-A-3 121 296 (EKSTROM) * Claim 1; figures 1,3,12 * | 1 | B 24 B 5/00 B 24 B 19/20 B 24 B 27/00 B 24 B 29/00 |
| A | --- METAL FINISHING, vol. 74, no. 11, November 1976, Westwood, N.Y., USA; ACME MFG. CO. "Automatic Polisher", pages 76,78 ----- | 4 | |
| The present search report has been drawn up for all claims | | | |
| Place of search BERLIN | | Date of completion of the search 29-05-1985 | 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 | |

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