

Title (en)

GRINDING MACHINE FOR AUTOMATICALLY GRINDING INTERNAL OR EXTERNAL CYLINDRICAL SURFACES, PLANE SURFACES AND/OR INTERNAL AND EXTERNAL THREADS

Publication

**EP 0257194 A3 19900502 (DE)**

Application

**EP 87106750 A 19870509**

Priority

DE 3628977 A 19860826

Abstract (en)

[origin: EP0257194A2] The internal grinding spindle can be swivelled automatically in the vertical plane. Consequently, the necessary angular position during thread grinding can be set and, in the horizontal position, the internal grinding spindle can be taken past a profile roller, arranged laterally on the headstock, for truing. <IMAGE>

IPC 1-7

**B24B 5/12**; **B24B 5/01**; **B23G 1/36**; **B24B 45/00**

IPC 8 full level

**B24B 5/01** (2006.01); **B24B 5/12** (2006.01); **B24B 41/04** (2006.01); **B24B 45/00** (2006.01)

CPC (source: EP)

**B24B 5/01** (2013.01); **B24B 5/12** (2013.01); **B24B 45/003** (2013.01)

Citation (search report)

- [A] EP 0123956 A2 19841107 - INST SA METALOREJESCHTI MASCHI [BG]
- [A] DD 213872 A1 19840926 - WERKZEUGMASCH OKT VEB [DD]
- [A] CH 218145 A 19411130 - METZLER JOHN B [CH]
- [A] DE 2442199 B2 19760520
- [A] DE 2828536 A1 19800117 - EX CELL O GMBH
- [A] EP 0174140 A2 19860312 - EX CELL O CORP [US]
- [AD] EP 0051136 A2 19820512 - BUDERUS AG [DE]
- [AP] MANUFACTURING TECHNOLOGY INTERNATIONAL -EUROPE-

Cited by

CN109048630A; CN102248481A; CN107234524A; CN101811285A; DE10393160B4; CN112388479A; ES2138484A1; CN103464837A; CN106001793A; US6991519B2; WO2005051596A1; WO0045992A1

Designated contracting state (EPC)

CH DE GB IT LI

DOCDB simple family (publication)

**EP 0257194 A2 19880302**; **EP 0257194 A3 19900502**; DE 3628977 A1 19880303; JP H09466 U 19970905; JP S6362649 A 19880318

DOCDB simple family (application)

**EP 87106750 A 19870509**; DE 3628977 A 19860826; JP 20838987 A 19870824; JP 41197 U 19970203