

Title (en)
Groove grinding spindle

Title (de)
Nutenschleifspindel

Title (fr)
Broche de meulage de rainures

Publication
EP 0855246 A3 19990120 (EN)

Application
EP 98300450 A 19980122

Priority
JP 2441297 A 19970123

Abstract (en)
[origin: EP0855246A2] A wheel spindle 2 to which a grinding wheel 1 is attached, is connected to a driving shaft 5 by bevel gears 6 and 7 and the driving shaft 5 is connected to an output shaft 4 of a motor 3. One end of the drive shaft 5 is axially supported by a needle bearing 8 and the other end is axially supported by angular bearings 9 and 10. The angular bearings 9 and 10 are axially supported by a bearing holder 18, the bearing holder 18 is slidably fitted to a fitting recess 21 and adjusting screws 25 and 26 are attached to a flange 22 of the bearing holder 18. Accordingly, by adjusting the adjusting screws 25 and 26, the drive shaft 5 can be positioned by being moved in the axial direction thereof and, after positioning, the bearing holder 18 is fixed to a spindle main body 12 by a set screw 28. <IMAGE>

IPC 1-7
B24B 19/02; **B24B 41/04**

IPC 8 full level
B24B 47/12 (2006.01); **B24B 19/02** (2006.01); **B24B 41/04** (2006.01)

CPC (source: EP)
B24B 19/02 (2013.01); **B24B 41/04** (2013.01)

Citation (search report)
• [Y] US 4735019 A 19880405 - WIEDERKEHR HANS [CH]
• [Y] EP 0548717 A1 19930630 - BOSCH GMBH ROBERT [DE]
• [A] US 4083152 A 19780411 - LORENZ MANFRED

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