

Title (en)
Groove grinding spindle

Title (de)
Nutenschleifspindel

Title (fr)
Broche de meulage de rainures

Publication
EP 0855246 A2 19980729 (EN)

Application
EP 98300450 A 19980122

Priority
JP 2441297 A 19970123

Abstract (en)
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)

Cited by
CN103085066A; CN102814736A; EP1293534A4; CN104942311A; EP2363228A3; CN106392207A; DE10037015B4; CN111791118A; DE10054122A1; EP1201362A1; DE10054122B4; US6743862B2; US6783444B2

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