

Title (en)

SPINDLE TILTING CONTROL DEVICE FOR PLANE AND SPHERICAL ROTARY GRINDING MACHINE, FINE GRINDING MACHINE, LAPPING MACHINE, AND POLISHING MACHINE.

Title (de)

KONTROLLVORRICHTUNG FÜR DAS KANTELN EINER ACHSE EINER MASCHINE ZUM FLACH UND SPHÄRISCH RUNDSCHLEIFEN, FEINPRÄGEN, LÄPPEN UND POLIEREN.

Title (fr)

DISPOSITIF DE COMMANDE D'INCLINAISON D'UNE BROCHE POUR UNE MACHINE DE MEULAGE ROTATIVE SPHERIQUE ET PLAN, MACHINE DE PLANAGE FIN, MACHINE DE RECTIFICATION ET MACHINE DE POLISSAGE.

Publication

EP 0074406 A4 19840905 (EN)

Application

EP 81900634 A 19810310

Priority

JP 8100053 W 19810310

Abstract (en)

[origin: WO8203039A1] A spindle tilting control device for a plane and spherical rotary grinding machine, fine gliding machine, lapping machine and polishing machine, which are super precise machines for manufacturing microminiature electronic part components, which device employs a joint (7) for tilting a spindle, can perpendicularly secure a rotary table (1) with respect to the spindle (3) by clamping crank bolts (4), (5), tilts a grindstone or surface plate (2) with a spindle tilting joint (7), thereby machining a spherical surface together with electric and chemical methods. This machine can extremely precisely machine semiconductor material, magnetic material, ceramics, superhard alloys, or the like.

IPC 1-7

B24B 41/04

IPC 8 full level

B24B 27/00 (2006.01)

CPC (source: EP)

B24B 27/0084 (2013.01)

Citation (search report)

- [X] FR 1394279 A 19650402
- [X] FR 1096210 A 19550616
- [A] DE 1446067 A1 19690123 - TELEFUNKEN PATENT
- [A] DE 1812312 A1 19700226 - KARL MARX STADT TECH HOCHSCHUL

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 8203039 A1 19820916; EP 0074406 A1 19830323; EP 0074406 A4 19840905

DOCDB simple family (application)

JP 8100053 W 19810310; EP 81900634 A 19810310