

Title (en)

MACHINE TOOL FOR ABRASIVE MACHINING

Publication

**EP 0307477 A4 19910410 (DE)**

Application

**EP 88901155 A 19870731**

Priority

SU 4201397 A 19870310

Abstract (en)

[origin: WO8806949A1] A machine tool for abrasive machining comprises an abrasive instrument (1) and a device for creating the pressing force in the cutting zone provided with a casing (3) with guides in which are mounted , with the possibility of reciprocating movement, tail spindles (4) with heads (5) for transferring the pressing force to the cutting instrument (1) and a feeding mechanism (14) mounted on the casing (3). In the device for creating the pressing force the tail spindles (4) are interconnected by means of an elastic element (11) rigidly connected to the feeding mechanism (14), the latter being capable of damping the elastic element (11) in the back and forth feeding directions. According to another variant, in the device for creating the pressing force the tail spindles (4) are interconnected by means of at least one elastic element (11a) rigidly connected to them, whereas the feeding mechanism (14) is connected to the elastic element (11a) and is capable of damping the elastic element (11a) in the back and forth feeding directions.

IPC 1-7

**B24B 7/16**; **B24B 11/00**; **B24B 37/04**

IPC 8 full level

**B24B 7/04** (2006.01); **B24B 7/16** (2006.01); **B24B 11/00** (2006.01); **B24B 37/04** (2012.01)

CPC (source: EP US)

**B24B 7/16** (2013.01 - EP US); **B24B 11/00** (2013.01 - EP US); **B24B 37/04** (2013.01 - EP US)

Citation (search report)

- No further relevant documents have been disclosed.
- See references of WO 8806949A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**WO 8806949 A1 19880922**; EP 0307477 A1 19890322; EP 0307477 A4 19910410; JP H02500348 A 19900208; US 5003728 A 19910402

DOCDB simple family (application)

**SU 8700084 W 19870731**; EP 88901155 A 19870731; JP 50630187 A 19870731; US 28336988 A 19881107