

Title (en)

PRESSURE CONTROL MEANS FOR LAPPING, HONING AND POLISHING MACHINES

Publication

**EP 0205054 B1 19920729 (DE)**

Application

**EP 86107366 A 19860530**

Priority

DE 3520713 A 19850610

Abstract (en)

[origin: US4742651A] A control device for the processing pressure on honing, lapping and polishing machines, in which the tool is driven by motor via a spindle which is in its turn rotatably and essentially axially fixedly supported in a bearing member which is movable in the direction of the axis of the spindle, in which furthermore a double-acting actuation device engages at the bearing member via resilient means, and in which finally an energy sensor measuring the processing pressure transmits actual pressure signals to a program control which, dependent on time, compares the actual pressure signals with different preset pressure signals and from the comparison of the pressure signals generates adjusting signals for the actuation device. At least the resilient means counteracting the own weight of the tool is formed by a pneumatic adjusting means which is connected to a pressure gas source via a control valve. An adjustable throttle arrangement is connected to the pneumatic adjusting means for the controlled venting of the adjusting means dependent on the adjusting signal of the program control.

IPC 1-7

**B24B 37/04**; **B24B 49/16**

IPC 8 full level

**B24B 37/04** (2006.01); **B24B 49/16** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (application)

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