

Title (en)

CONTROL DEVICE FOR THE MACHINING LOAD ON LAPPING, HONING AND GRINDING MACHINES

Publication

EP 0034659 B1 19830810 (DE)

Application

EP 80107763 A 19801210

Priority

DE 2950881 A 19791218

Abstract (en)

[origin: US4370835A] A working pressure control mechanism for lapping, honing, and grinding machines having a rotatably mounted shaft bearing the tool within an axially translatable housing such that the shaft is carried along by the housing in the direction of the tool advance, comprising a spring capable of axially translating the housing, a signal producer capable of producing a signal corresponding to the magnitude of axial displacement caused by the workpiece and connected to the spring, and a mechanism advance control capable of receiving a signal from the signal producer, and advancing the housing to compensate for the degree of axial displacement.

IPC 1-7

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

IPC 8 full level

B24B 37/08 (2012.01); **B24B 49/16** (2006.01)

CPC (source: EP US)

B24B 37/08 (2013.01 - EP US); **B24B 49/16** (2013.01 - EP US)

Citation (examination)

- US 3274738 A 19660927 - KUNIHOLM MARTIN L
- DE 1929518 B2 19720706
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- CH 471639 A 19690430 - ELEKTROMAT VEB [DE]

Cited by

EP0393615A1; EP0481936A3; FR2564360A1; US4665658A; EP0584843A3; US5509847A; EP0344548A3

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DE 2950881 A1 19810625; **DE 2950881 C2 19830601**; EP 0034659 A1 19810902; EP 0034659 B1 19830810; US 4370835 A 19830201

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