

Title (en)

Apparatus for controlling an automatic grinding machine for cleaning castings.

Title (de)

Vorrichtung zum Steuern einer automatischen Gussputzmaschine.

Title (fr)

Dispositif pour actionner une ébarbeuse.

Publication

EP 0389871 B1 19940914 (DE)

Application

EP 90104858 A 19900315

Priority

CH 112989 A 19890329

Abstract (en)

[origin: EP0389871A2] The automatic grinding machine for cleaning castings, having a machine column (10) carrying locking means (5, 6) for a casting (1) to be treated, which locking means (5, 6) can be adjusted towards one another and together, and a tool holder (3) which carries a grinding and/or a cut-off wheel (2) and is supported on a machine block (11) in such a way that it can be set against the casting (1) via slide means (4), permits contactless, precise production of a control signal owing to the fact that the locking means (5, 6) are electrically insulated from the machine column (10) via insulation means (12) and the grinding and/or cut-off wheel (2) is electrically insulated from the tool holder (3) via insulation means (13), that the grinding and/or cut-off wheel (2) is designed to be electrically conductive, and that the grinding and/or cut-off wheel (2) and the locking means (5, 6) and the casting (1) clamped between the latter are connected in series with a controllable high-voltage generator (20) and an ignition-current analysing circuit (21) supplying a control signal (22). <IMAGE>

IPC 1-7

B24B 49/10

IPC 8 full level

B24B 27/033 (2006.01); **B24B 49/10** (2006.01)

CPC (source: EP US)

B24B 27/033 (2013.01 - EP US); **B24B 49/10** (2013.01 - EP US); **Y10T 83/141** (2015.04 - EP US); **Y10T 83/855** (2015.04 - EP US); **Y10T 408/17** (2015.01 - EP US); **Y10T 409/307224** (2015.01 - EP US)

Cited by

CN105382668A; CN105290937A; CN107971881A

Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

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EP 0389871 A2 19901003; **EP 0389871 A3 19910206**; **EP 0389871 B1 19940914**; AT E111389 T1 19940915; CH 678292 A5 19910830; DE 59007098 D1 19941020; ES 2060837 T3 19941201; US 5079874 A 19920114

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EP 90104858 A 19900315; AT 90104858 T 19900315; CH 112989 A 19890329; DE 59007098 T 19900315; ES 90104858 T 19900315; US 49107690 A 19900309