

Title (en)

METHOD FOR CONTROLLING AN AUTOMATIC GRINDING MACHINE FOR CLEANING CASTINGS

Publication

**EP 0389871 A3 19910206 (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)

Citation (search report)

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Cited by

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Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

DOCDB simple family (publication)

**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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