

Title (en)
DEVICE FOR DEBURRING METALLIC AND NONMETALLIC WORKPIECES

Publication
EP 0062849 A3 19830504 (DE)

Application
EP 82102781 A 19820401

Priority
DE 3115325 A 19810415

Abstract (en)
[origin: EP0062849A2] The workpieces (12) to be deburred are exposed together with a ferromagnetic deburring means (13) inside a closed, non-ferromagnetic and electrically non-conductive container (11) to an electromagnetic rotary or travelling field (15), for example of a linear motor (14). After the linear motor (14) is switched on, the deburring means (13) is moved and swirled by the electromagnetic travelling field. The deburring means (13) acts on the workpieces (12) and thereby deburrs them. The swirling (15) of the deburring means (13) and thus the deburring action can be varied by the size of the field-producing voltage. Even small apertures in the workpiece which are full of burr are gradually deburred. <IMAGE>

IPC 1-7
B24B 31/10

IPC 8 full level
B24B 31/10 (2006.01)

CPC (source: EP)
B24B 31/102 (2013.01)

Citation (search report)
• [X] FR 1278629 A 19611215 - RHEINMETALL GMBH
• [Y] FR 1500534 A 19671103
• [Y] CH 262042 A 19490615 - BALZ WILLIAM G [US]
• [A] US 1682246 A 19280828

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EP0478805A1; DE102010039702B3; DE4001111A1

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EP 0062849 A2 19821020; EP 0062849 A3 19830504; DE 3115325 A1 19821111; DK 166282 A 19821016

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