

Title (en)

GRINDING MACHINE FOR GRINDING OFF FLASH FROM CASTINGS

Publication

**EP 0023547 B1 19830727 (DE)**

Application

**EP 80103260 A 19800612**

Priority

DE 2930309 A 19790726

Abstract (en)

[origin: US4428162A] A method and a device for the automatic removal of burrs or fins from workpieces such as castings by a grinding process. A feed for moving the workpiece perpendicular to the grinding wheel radius is provided for grinding along the length of the burr. A second constant velocity feed of reversible and alternating direction is provided for moving the grinding wheel radially into the workpiece. The load or circumferential torque on the grinding wheel is monitored to detect the abrupt increase in torque occurring when the grinding wheel has cut through the burr and encounters the body of the workpiece, whereupon the direction of the radial feed is reversed so that the grinding process follows the contour of the workpiece.

IPC 1-7

**B24B 9/00**; **B24B 49/00**

IPC 8 full level

**B24B 9/00** (2006.01); **B24B 49/00** (2006.01); **B24B 49/16** (2006.01); **B24B 51/00** (2006.01)

CPC (source: EP US)

**B24B 9/00** (2013.01 - EP US); **B24B 49/16** (2013.01 - EP US)

Cited by

CN109894595A; CN104321163A; CN103691917A; CN104942672A; WO2013174468A3; WO2022090304A1

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DOCDB simple family (publication)

**EP 0023547 A1 19810211**; **EP 0023547 B1 19830727**; AT E4298 T1 19830815; BR 8004676 A 19810210; DE 2930309 A1 19810312; DE 2930309 C2 19821014; JP S5689465 A 19810720; JP S6350145 B2 19881006; US 4428162 A 19840131

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**EP 80103260 A 19800612**; AT 80103260 T 19800612; BR 8004676 A 19800725; DE 2930309 A 19790726; JP 10188980 A 19800726; US 35122682 A 19820222