

Title (en)

Tool for simultaneous processing several surface areas of a workpiece

Title (de)

Werkzeug für die gleichzeitige Bearbeitung von mehreren Oberflächenbereichen eines Werkstücks

Title (fr)

Outil pour l'usinage simultané de plusieurs zones de surface d'une pièce

Publication

**EP 2199020 A3 20110112 (DE)**

Application

**EP 09015104 A 20091205**

Priority

DE 102008063943 A 20081219

Abstract (en)

[origin: EP2199020A2] The tool (10) has a drive for receiving a spindle connected with the drive, and two radial or axial bearing surfaces, which are impinged for concurrent operation of work pieces from the drive. The radial or axial bearing surfaces are provided at a certain distance from a spindle axle.

IPC 8 full level

**B24D 13/04** (2006.01); **B23C 5/02** (2006.01); **B24D 13/16** (2006.01)

CPC (source: EP US)

**B24D 13/04** (2013.01 - EP US); **B24D 13/16** (2013.01 - EP US)

Citation (search report)

- [XYI] DE 19812515 A1 19990923 - M & F ENTW & PATENTVERWERTUNGS [DE]
- [Y] GB 2349109 A 20001025 - ELLIOTT IND LTD [GB]
- [Y] GB 1368193 A 19740925 - SALUKVADZE V S
- [Y] JP S51142180 A 19761207 - HITACHI METALS LTD
- [Y] US 4872292 A 19891010 - BLOCK ALECK [US]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**EP 2199020 A2 20100623**; **EP 2199020 A3 20110112**; CN 101758279 A 20100630; DE 102008063943 A1 20100624; JP 2010167555 A 20100805; US 2010190419 A1 20100729

DOCDB simple family (application)

**EP 09015104 A 20091205**; CN 200910252797 A 20091218; DE 102008063943 A 20081219; JP 2009287603 A 20091218; US 64305709 A 20091221