

Title (en)
Tool

Title (de)
Werkzeug

Title (fr)
Outil

Publication
EP 1741515 A1 20070110 (DE)

Application
EP 05014508 A 20050705

Priority
EP 05014508 A 20050705

Abstract (en)
The machining tool has a circular disc (2) connected to a bracing plate. The circular disc and the bracing plate has a coupling (20) and a counter coupling having walls (23) formed of alternating convex wall sections (24) bent inwards towards the central axis (10) and the concave wall sections (25) bent outwards away from the central axis. The maximum radius of the convex and concave wall sections of the coupling is smaller than the maximum radius of the convex wall and the concave wall sections of the counter couplings, respectively.

IPC 8 full level
B24B 45/00 (2006.01); **B24D 9/08** (2006.01); **B24D 13/20** (2006.01)

CPC (source: EP US)
B24B 45/003 (2013.01 - EP US); **B24D 9/085** (2013.01 - EP US); **B24D 13/20** (2013.01 - EP US)

Citation (applicant)
• EP 1007282 B1 20020403 - STRUERS AS [DK]
• DE 102004009443 A1 20050915 - RUEGGEBERG AUGUST GMBH & CO KG [DE]

Citation (search report)
• [A] GB 1058502 A 19670215 - MERIT PRODUCTS INC
• [A] US 4839998 A 19890620 - BLOCK ALECK [US]
• [A] WO 0108850 A1 20010208 - EFCO MASCHB GMBH & CO KG [DE], et al

Cited by
DE102013017962A1; EP2151302A1; ITRE20080075A1; WO2015067377A1; DE102010029553A1; DE202009011470U1; EP2286959A2; DE102009038583A1; DE202013010146U1; DE202014003278U1; DE102014005672A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1741515 A1 20070110; EP 1741515 B1 20071107; AT E377480 T1 20071115; AU 2006202837 A1 20070125; BR PI0602324 A 20070306; CA 2551521 A1 20070105; CN 1891405 A 20070110; DE 502005001899 D1 20071220; MX PA06007611 A 20070110; US 2007010184 A1 20070111

DOCDB simple family (application)
EP 05014508 A 20050705; AT 05014508 T 20050705; AU 2006202837 A 20060704; BR PI0602324 A 20060621; CA 2551521 A 20060705; CN 200610100253 A 20060705; DE 502005001899 T 20050705; MX PA06007611 A 20060630; US 42875306 A 20060705