

Title (en)
HARD-MATERIAL INSERT AND MECHANICAL CLAMPING THEREOF

Title (de)
HARTSTOFF-EINSATZ UND DESSEN MECHANISCHE KLEMMUNG

Title (fr)
GARNITURE EN MATIÈRE DURE ET SON SERRAGE MÉCANIQUE

Publication
EP 2209576 A1 20100728 (DE)

Application
EP 08838021 A 20080930

Priority
• EP 2008063077 W 20080930
• DE 102007047318 A 20071002
• DE 102007061699 A 20071219

Abstract (en)
[origin: WO2009047166A1] The invention relates to a cutting tool substantially comprising a support tool (3) with a recess (4) in which a support body (5, 13, 23) and an exchangeable cutting body are arranged and are held by a clamping element (2, 31, 41) and the cutting body rests with its underside on the support body (5, 13, 23). To reduce production costs, it is therefore proposed according to the invention that the support body (5, 13, 23) has a pocket (7, 17, 27) with a bottom and side faces, the cutting body is a hard-material insert (1, 12), which rests with its underside on the bottom of the pocket (7, 17, 27), the upper side of the hard-material insert (1, 12) is substantially flush with the upper side of the support body (5, 13, 23) and side faces of the hard-material insert (1, 12) lie against side faces of the pocket (7, 17, 27) and, as a result, the hard-material insert (1, 12) is embedded in the pocket (7, 17, 27) of the support body (5, 13, 23).

IPC 8 full level
B23B 27/16 (2006.01); **B23B 29/04** (2006.01)

CPC (source: EP)
B23B 27/1625 (2013.01); **B23B 29/046** (2013.01); **B23B 2200/085** (2013.01); **B23B 2200/126** (2013.01); **B23B 2205/12** (2013.01); **B23B 2205/16** (2013.01)

Citation (search report)
See references of WO 2009047166A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102008042493 A1 20090409; EP 2209576 A1 20100728; WO 2009047166 A1 20090416

DOCDB simple family (application)
DE 102008042493 A 20080930; EP 08838021 A 20080930; EP 2008063077 W 20080930