

Title (en)
CUTTING INSERT COMPRISING A RIBBED SWARF GUIDING LEVEL

Title (de)
SCHNEIDPLATTE MIT RIPPENFÖRMIGER SPANLEITSTUFE

Title (fr)
PLAQUETTE DE COUPE PRÉSENTANT UN ÉTAGE DE GUIDAGE DE COUPEAUX EN FORME DE NERVURE

Publication
EP 2155423 A1 20100224 (DE)

Application
EP 08750337 A 20080519

Priority
• EP 2008056094 W 20080519
• DE 102007023831 A 20070521
• DE 102007000506 A 20071015

Abstract (en)
[origin: US2010278599A1] A cutting insert wherein, in particular an indexable cutting insert for machining predominantly metal materials, comprising a first surface that acts as a contact surface for a chuck tool and a depression in the first surface in the cutting corner region and along the cutting edges, said depression acting as a swarf surface. To reinforce and stabilize the cutting edge, the first swarf surface border or the second swarf surface border has or have one or more interruptions in the form of ribs surface, said ribs lying on the same plane as the second surface.

IPC 8 full level
B23B 27/14 (2006.01)

CPC (source: EP KR US)
B23B 27/02 (2013.01 - KR); **B23B 27/04** (2013.01 - KR); **B23B 27/14** (2013.01 - KR); **B23B 27/143** (2013.01 - EP US);
B23B 27/18 (2013.01 - KR); **B23B 2200/087** (2013.01 - EP US); **B23B 2200/3654** (2013.01 - EP US); **B23B 2222/14** (2013.01 - EP US);
B23B 2226/125 (2013.01 - EP US); **B23B 2226/18** (2013.01 - EP US); **B23B 2226/315** (2013.01 - EP US); **Y10T 407/235** (2015.01 - EP US)

Citation (search report)
See references of WO 2008142038A1

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)
US 2010278599 A1 20101104; BR PI0812153 A2 20141118; CA 2687820 A1 20081127; CN 101778685 A 20100714;
DE 102008001846 A1 20081127; EP 2155423 A1 20100224; IL 202226 A0 20100616; JP 2010527801 A 20100819;
KR 20100018576 A 20100217; MX 2009012533 A 20100212; WO 2008142038 A1 20081127

DOCDB simple family (application)
US 60084808 A 20080519; BR PI0812153 A 20080519; CA 2687820 A 20080519; CN 200880025592 A 20080519;
DE 102008001846 A 20080519; EP 08750337 A 20080519; EP 2008056094 W 20080519; IL 20222609 A 20091119;
JP 2010508813 A 20080519; KR 20097026650 A 20080519; MX 2009012533 A 20080519