

Title (en)

PRECISION PRESSING AND SINTERING OF CUTTING INSERTS, PARTICULARLY INDEXABLE CUTTING INSERTS

Title (de)

PRÄZISIONSPRESSEN UND SINTERN VON SCHNEIDPLATTEN, INSBESONDERE WENDESCHNEIDPLATTEN

Title (fr)

PRESSES DE PRÉCISION ET FRITTAGE DE PLAQUETTES, EN PARTICULIER DE PLAQUETTES AMOVIBLES

Publication

EP 2467226 A1 20120627 (DE)

Application

EP 10736672 A 20100720

Priority

- DE 102009038289 A 20090821
- DE 102009029326 A 20090910
- EP 2010060494 W 20100720

Abstract (en)

[origin: CA2771550A1] The invention relates to a ready-for-use ceramic cutting insert for machining work pieces, produced by sintering a blank and comprising an upper and a lower face, both of which have a support surface for mounting in a clamp mounting of a cutting tool, lateral faces connecting the upper and lower faces, and cutting edges which have chamfers. In order to at least partly avoid re-machining after sintering, the support surfaces of the upper and lower faces and/or the chamfers have at least subareas which consist of the sinter skin produced as a result of the sintering and which have not been damaged by any material-removing treatment.

IPC 8 full level

B23B 27/14 (2006.01); **B23B 27/16** (2006.01)

CPC (source: EP KR US)

B23B 27/148 (2013.01 - EP KR US); **B28B 3/02** (2013.01 - EP KR US); **B28B 11/18** (2013.01 - EP KR US); **C04B 35/117** (2013.01 - EP KR US); **C04B 35/119** (2013.01 - EP KR US); **C04B 35/584** (2013.01 - EP KR US); **C04B 35/597** (2013.01 - EP KR US); **B23B 2226/18** (2013.01 - EP KR US); **B23B 2228/10** (2013.01 - KR); **C04B 2235/3856** (2013.01 - EP KR US); **C04B 2235/3886** (2013.01 - EP KR US); **C04B 2235/604** (2013.01 - EP US); **C04B 2235/608** (2013.01 - EP US); **C04B 2235/767** (2013.01 - EP US); **Y10T 407/23** (2015.01 - EP US)

Citation (search report)

See references of WO 2011020667A1

Designated contracting state (EPC)

AL 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

DOCDB simple family (publication)

DE 102010031578 A1 20110224; BR 112012003880 A2 20160329; CA 2771550 A1 20110224; CN 102740999 A 20121017; EP 2467226 A1 20120627; IL 218204 A0 20120430; JP 2013502328 A 20130124; KR 20120066639 A 20120622; US 2012134758 A1 20120531; WO 2011020667 A1 20110224

DOCDB simple family (application)

DE 102010031578 A 20100720; BR 112012003880 A 20100720; CA 2771550 A 20100720; CN 201080037110 A 20100720; EP 10736672 A 20100720; EP 2010060494 W 20100720; IL 21820412 A 20120220; JP 2012525110 A 20100720; KR 20127007071 A 20100720; US 201013388679 A 20100720