

Title (en)
CUTTING INSERT, IN PARTICULAR FOR CRANKSHAFT MACHINING

Title (de)
SCHNEIDEINSATZ, INSBESONDERE ZUR KURBELWELLENBEARBEITUNG

Title (fr)
INSERT DE COUPE, NOTAMMENT POUR L'USINAGE DE VILEBREQUINS

Publication
EP 1896210 A1 20080312 (DE)

Application
EP 06722746 A 20060404

Priority
• DE 2006000596 W 20060404
• DE 102005025815 A 20050602

Abstract (en)
[origin: WO2006128410A1] The invention relates to a cutting insert (10) with a base, having a supporting surface, a covering surface, at a distance therefrom and side faces (101, 102), connecting said surfaces, whereby two or several adjacent surfaces form cutting edges (103, 104, 105). According to said invention, the supporting surface is connected in a non-detachable manner to a supporting surface of a cutting plate (11), the geometry of which is different from the cutting insert (10) and suitable for another metal cutting operation.

IPC 8 full level
B23B 5/18 (2006.01); **B23B 27/14** (2006.01); **B23C 3/06** (2006.01); **B23C 5/20** (2006.01)

CPC (source: EP KR US)
B23B 5/18 (2013.01 - EP US); **B23B 27/145** (2013.01 - EP US); **B23C 3/00** (2013.01 - KR); **B23C 3/06** (2013.01 - EP KR US); **B23C 5/202** (2013.01 - EP US); **B23B 2200/202** (2013.01 - EP US); **B23B 2200/3681** (2013.01 - EP US); **B23C 2215/20** (2013.01 - EP US); **Y10T 407/196** (2015.01 - EP US); **Y10T 407/23** (2015.01 - EP US)

Citation (search report)
See references of WO 2006128410A1

Citation (examination)
US 4294565 A 19811013 - ERKFRTZ DONALD S

Designated contracting state (EPC)
DE FR GB IT PL

DOCDB simple family (publication)
DE 102005025815 A1 20061207; BR PI0611333 A2 20100831; CA 2609384 A1 20061207; CN 101160189 A 20080409; CN 101160189 B 20150422; EP 1896210 A1 20080312; JP 2008542045 A 20081127; JP 5221342 B2 20130626; KR 101299513 B1 20130822; KR 20080011412 A 20080204; MX 2007014484 A 20080205; RU 2007144543 A 20090720; RU 2429109 C2 20110920; US 2010183386 A1 20100722; US 8500375 B2 20130806; WO 2006128410 A1 20061207

DOCDB simple family (application)
DE 102005025815 A 20050602; BR PI0611333 A 20060404; CA 2609384 A 20060404; CN 200680012684 A 20060404; DE 2006000596 W 20060404; EP 06722746 A 20060404; JP 2008513910 A 20060404; KR 20077027748 A 20060404; MX 2007014484 A 20060404; RU 2007144543 A 20060404; US 91911206 A 20060404