

Title (en)

COATED CUTTING INSERT FOR MACHINING OF ALUMINIUM BASED ALLOYS

Title (de)

BESCHICHTETER SCHNEIDEEINSATZ ZUR BEARBEITUNG VON LEGIERUNGEN AUF ALUMINIUMBASIS

Title (fr)

INSERT DE COUPE REVÊTU POUR USINER DES ALLIAGES À BASE D'ALUMINIUM

Publication

EP 2217743 A1 20100818 (EN)

Application

EP 08845811 A 20081029

Priority

- SE 2008051230 W 20081029
- SE 0702411 A 20071101

Abstract (en)

[origin: WO2009058082A1] The present invention relates to a cutting tool insert, particularly useful for machining of aluminium alloys, comprising a cemented carbide substrate and a coating. The cemented carbide has a composition of 4-14 wt% Co, up to 5 wt% of the elements Ti, Ta, and/or Nb and/or Cr or other element from groups IVb, Vb or VI and rest WC. The coating is composed of one or more layers of refractory compounds of which at least one layer comprise ZrN.

IPC 8 full level

C23C 30/00 (2006.01); **B23B 27/14** (2006.01); **C23C 14/06** (2006.01); **C23C 14/24** (2006.01); **C23C 14/32** (2006.01)

CPC (source: EP SE)

B23B 27/14 (2013.01 - EP); **B23B 27/148** (2013.01 - SE); **B23C 5/20** (2013.01 - EP); **C23C 14/0021** (2013.01 - SE); **C23C 14/0641** (2013.01 - EP SE); **C23C 14/24** (2013.01 - SE); **C23C 14/325** (2013.01 - SE); **C23C 30/005** (2013.01 - EP SE); **B23B 2222/04** (2013.01 - EP); **B23B 2222/28** (2013.01 - EP); **B23B 2228/10** (2013.01 - EP); **B23C 2222/04** (2013.01 - EP); **B23C 2222/28** (2013.01 - EP); **B23C 2228/10** (2013.01 - EP)

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)

WO 2009058082 A1 20090507; EP 2217743 A1 20100818; SE 0702411 L 20090502

DOCDB simple family (application)

SE 2008051230 W 20081029; EP 08845811 A 20081029; SE 0702411 A 20071101