

Title (en)
FACE MILLING CUTTER

Title (de)
STIRNFRÄSER

Title (fr)
FRAISE EN BOUT

Publication
EP 2451602 A1 20120516 (DE)

Application
EP 10730033 A 20100621

Priority
• AT 2010000226 W 20100621
• AT 10672009 A 20090708

Abstract (en)
[origin: WO2011003120A1] The invention relates to a face milling cutter (1) for machining a bearing area of a crankshaft, in particular a crankshaft of a marine engine, comprising a main body (2) having an end face (3) and several cutting plates (4), which are designed for turn-milling and are arranged on or in the end face (3). In order to achieve favorable material removal conditions for small cutting forces and thus low tool loading, the cutting plates (4) each have at least one cutting edge, which comprises areas active in cutting and areas not active in cutting in alternation.

IPC 8 full level
B23C 3/06 (2006.01); **B23C 5/06** (2006.01); **B23C 5/20** (2006.01)

CPC (source: EP KR US)
B23C 3/06 (2013.01 - EP KR US); **B23C 5/06** (2013.01 - KR); **B23C 5/109** (2013.01 - EP KR US); **B23C 5/202** (2013.01 - EP KR US); **B23C 2200/128** (2013.01 - EP KR US); **B23C 2200/165** (2013.01 - KR); **B23C 2200/206** (2013.01 - EP US); **B23C 2200/367** (2013.01 - EP US); **Y10T 29/17** (2015.01 - EP US); **Y10T 407/1924** (2015.01 - EP US); **Y10T 409/303808** (2015.01 - EP US)

Citation (search report)
See references of WO 2011003120A1

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)
WO 2011003120 A1 20110113; AT 508492 A1 20110115; EP 2451602 A1 20120516; JP 2012528727 A 20121115;
KR 20120018305 A 20120302; US 2012093594 A1 20120419

DOCDB simple family (application)
AT 2010000226 W 20100621; AT 10672009 A 20090708; EP 10730033 A 20100621; JP 2012513406 A 20100621; KR 20117026069 A 20100621;
US 201013375382 A 20100621