

Title (en)
CASING END TOOL

Title (de)
GEHÄUSEENDWERKZEUG

Title (fr)
OUTIL D'EXTRÉMITÉ DE TUBAGE

Publication
EP 2702223 A2 20140305 (EN)

Application
EP 12776178 A 20120413

Priority
• US 201113095746 A 20110427
• US 2012033460 W 20120413

Abstract (en)
[origin: US2011209922A1] A casing end tool has a mandrel and a body that is defined by a wall having an outer surface and an inner surface opposite of the outer surface. The body is fabricated from crystalline tungsten powder and a binder material. The inner surface includes a set of raised bosses or land structures. The body includes a plurality of blades on the outer surface. Each blade has a plurality of cutters. Blade channels and cutter channels on the blades enhance fragmentation of the body during drill out of the casing end tool.

IPC 8 full level
E21B 10/43 (2006.01); **E21B 10/46** (2006.01); **E21B 10/627** (2006.01)

CPC (source: EP US)
B22F 7/062 (2013.01 - EP US); **C22C 26/00** (2013.01 - EP US); **E21B 7/20** (2013.01 - EP US); **E21B 10/55** (2013.01 - EP US);
E21B 10/567 (2013.01 - EP US); **E21B 10/61** (2013.01 - EP US); **E21B 10/62** (2013.01 - EP US); **E21B 17/14** (2013.01 - EP US);
B22F 2005/001 (2013.01 - EP US)

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 RS SE SI SK SM TR

DOCDB simple family (publication)
US 2011209922 A1 20110901; CA 2832481 A1 20121101; CN 103492662 A 20140101; EP 2702223 A2 20140305; EP 2702223 A4 20151230;
RU 2013152354 A 20150610; SG 194123 A1 20131129; WO 2012148704 A2 20121101; WO 2012148704 A3 20130404

DOCDB simple family (application)
US 201113095746 A 20110427; CA 2832481 A 20120413; CN 201280020161 A 20120413; EP 12776178 A 20120413;
RU 2013152354 A 20120413; SG 2013074851 A 20120413; US 2012033460 W 20120413