

Title (en)

BIT CONE WITH HARDFACED NOSE

Title (de)

BOHRKEGEL MIT OBERFLÄCHENGEHÄRTETER NASE

Title (fr)

CÔNE DE TRÉPAN AVEC EMBOUT À REVÊTEMENT DUR

Publication

EP 2318638 A2 20110511 (EN)

Application

EP 09807332 A 20090814

Priority

- US 2009053801 W 20090814
- US 8899108 P 20080814

Abstract (en)

[origin: WO2010019834A2] A drill bit for drilling a wellbore, the drill bit having a cutter which has tungsten carbide inserts and a spear point. The spear point has a neck that joins a smooth portion of the cutter and blades that extend from the neck and converge to an apex. The blades define valleys or spaces between them. A layer of hardfacing is applied to the entire spear point including the interim spaces and the neck.

IPC 8 full level

E21B 10/42 (2006.01); **E21B 10/46** (2006.01); **E21B 10/50** (2006.01)

CPC (source: EP US)

E21B 10/16 (2013.01 - EP US); **E21B 10/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2010019834A2

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010019834 A2 20100218; **WO 2010019834 A3 20100603**; CA 2733255 A1 20100218; EP 2318638 A2 20110511; US 2010038146 A1 20100218

DOCDB simple family (application)

US 2009053801 W 20090814; CA 2733255 A 20090814; EP 09807332 A 20090814; US 54139909 A 20090814