

Title (en)

IMPROVED DRILL BIT FOR USE WITH A FRICTION BOLT

Title (de)

VERBESSERTER BOHRMEISSEL ZUR VERWENDUNG MIT EINEM REIBROHRANKER

Title (fr)

TRÉPAN DE FORAGE AMÉLIORÉ DESTINÉ À ÊTRE UTILISÉ AVEC UN BOULON DE FROTTEMENT

Publication

EP 3253949 A4 20180926 (EN)

Application

EP 16746003 A 20160203

Priority

- AU 2015900337 A 20150204
- AU 2016050061 W 20160203

Abstract (en)

[origin: WO2016123668A1] A drill bit for a drill assembly including a friction bolt defining a longitudinal axial passage, the drill bit being adapted to be releasibly attached to the friction bolt and comprising: (i) a leading end including a cutting part; (ii) a following end; and (iii) an outer surface defining a friction bolt engaging means adapted to releasibly engage with the leading end of the friction bolt.

IPC 8 full level

E21D 21/00 (2006.01); **E21B 10/00** (2006.01); **E21B 10/62** (2006.01); **E21B 10/64** (2006.01); **E21D 20/00** (2006.01); **F16B 13/00** (2006.01)

CPC (source: EP US)

E21B 10/62 (2013.01 - EP US); **E21B 10/64** (2013.01 - EP US); **E21D 21/004** (2013.01 - EP US); **E21D 21/0046** (2013.01 - EP US); **E21D 21/0053** (2016.01 - EP US)

Citation (search report)

- [XYI] WO 2012012392 A2 20120126 - ILLINOIS TOOL WORKS [US], et al
- [YA] AU 2013251196 A1 20140515 - MCLAREN MATTHEW DAVID [AU]
- [A] WO 0066873 A1 20001109 - RAERS CORP PTY LTD [AU], et al
- [A] WO 2010071563 A1 20100624 - SANDVIK INTELLECTUAL PROPERTY [SE], et al
- See references of WO 2016123668A1

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)

WO 2016123668 A1 20160811; AU 2016214971 A1 20170817; AU 2021202496 A1 20210520; AU 2021202496 B2 20230427; CA 2975760 A1 20160811; CL 2017001995 A1 20180316; EA 201791721 A1 20171130; EP 3253949 A1 20171213; EP 3253949 A4 20180926; US 2018003057 A1 20180104

DOCDB simple family (application)

AU 2016050061 W 20160203; AU 2016214971 A 20160203; AU 2021202496 A 20210423; CA 2975760 A 20160203; CL 2017001995 A 20170803; EA 201791721 A 20160203; EP 16746003 A 20160203; US 201615548553 A 20160203