

Title (en)

INSERT FOR A JOURNAL LEG OF A ROTARY DRILL TOOL

Title (de)

EINSATZ FÜR EIN ZAPFENBEIN EINES DREHBOHRWERKZEUGS

Title (fr)

INSERT POUR UNE JAMBE DE TOURILLON D'UN OUTIL DE FORAGE ROTATIF

Publication

EP 3696368 A1 20200819 (EN)

Application

EP 19157436 A 20190215

Priority

EP 19157436 A 20190215

Abstract (en)

An insert 10, 20 adapted to be mounted in a journal leg 5 of a rotary drill tool for cutting rock, the insert being adapted to reinforce the neck 2 of the journal leg 5. The insert 10, 20 has a mushroom shape comprising a hat 16, 26 and a foot 13, 23, the hat 16, 26 having a diameter D1 and the foot 13, 23 having a diameter D2 being smaller than the diameter D1 of the hat 16, 26. And a journal leg 5 of a rotary drill tool for cutting rock.

IPC 8 full level

E21B 10/46 (2006.01); **E21B 10/50** (2006.01); **E21B 10/54** (2006.01); **E21B 10/56** (2006.01)

CPC (source: EP)

E21B 10/50 (2013.01); **E21B 10/56** (2013.01)

Citation (applicant)

US 8522899 B2 20130903 - BOUAPHANH INPENG [US]

Citation (search report)

- [I] US 5890550 A 19990406 - SWADI MOHAMMAD [US], et al
- [A] WO 2016209238 A1 20161229 - HALLIBURTON ENERGY SERVICES INC [US]
- [A] GB 1343040 A 19740110 - STEBLEY F E
- [A] EP 0083287 A1 19830706 - STENUICK FRERES [BE]
- [A] US 3389761 A 19680625 - OTT EUGENE G

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3696368 A1 20200819; **EP 3696368 B1 20231011**; **EP 3696368 C0 20231011**; AU 2020221586 A1 20210805; CA 3126758 A1 20200820; CL 2021002090 A1 20220204; CN 113383143 A 20210910; ES 2963144 T3 20240325; PE 20211437 A1 20210805; WO 2020165199 A1 20200820

DOCDB simple family (application)

EP 19157436 A 20190215; AU 2020221586 A 20200212; CA 3126758 A 20200212; CL 2021002090 A 20210809; CN 202080010685 A 20200212; EP 2020053522 W 20200212; ES 19157436 T 20190215; PE 2021001134 A 20200212