

Title (en)
SHOCK INDUCEMENT IN CORE BARREL ASSEMBLY

Title (de)
SCHOCKAUSLÖSUNG IN EINER KERNROHRANORDNUNG

Title (fr)
INDUCTION DE CHOC DANS ENSEMBLE FORMANT TUBE CAROTTIER

Publication
EP 3294980 A4 20181205 (EN)

Application
EP 16791866 A 20160511

Priority
• US 201562159601 P 20150511
• CA 2016050538 W 20160511

Abstract (en)
[origin: WO2016179701A1] A core barrel assembly for a drill string comprising a core barrel, an inner tube assembly removably positionable within the core barrel, and a mechanical shock inducement mechanism for inducing at least one shock, and preferably a plurality of shocks, in the inner tube assembly. This induced shocks help reduce occurrences of blockage of core samples entering the inner tube assembly in fractured or brittle rock formations.

IPC 8 full level
E21B 25/02 (2006.01); **E21B 31/107** (2006.01); **E21B 31/113** (2006.01)

CPC (source: EP US)
E21B 25/02 (2013.01 - EP US); **E21B 31/107** (2013.01 - EP US); **E21B 31/113** (2013.01 - EP US)

Citation (search report)
• [X] US 4558749 A 19851217 - FULKERSON LARRY R [US]
• [XI] US 2009173542 A1 20090709 - IBRAHIM GEORGE [CA], et al
• [XI] US 4518051 A 19850521 - SOLLIE STEINAR [NO], et al
• [XI] US 2010126772 A1 20100527 - IBRAHIM GEORGE [CA], et al
• See references of WO 2016179701A1

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 2016179701 A1 20161117; AU 2016262162 A1 20180104; BR 112017024111 A2 20180731; CA 2985122 A1 20171117;
CL 2017002838 A1 20180629; EP 3294980 A1 20180321; EP 3294980 A4 20181205; MX 2017014357 A 20181112; PE 20180123 A1 20180118;
US 2018135374 A1 20180517; ZA 201708438 B 20190626

DOCDB simple family (application)
CA 2016050538 W 20160511; AU 2016262162 A 20160511; BR 112017024111 A 20160511; CA 2985122 A 20160511;
CL 2017002838 A 20171109; EP 16791866 A 20160511; MX 2017014357 A 20160511; PE 2017002404 A 20160511;
US 201615573371 A 20160511; ZA 201708438 A 20171212