

Title (en)

DRILL PIPE WITH DOUBLE SHOULDER TOOL JOINTS

Title (de)

BOHRGESTÄNGE MIT WERKZEUGVERBINDUNG MIT DOPPELTER SCHULTER

Title (fr)

TIGE DE FORAGE DOTÉE DE RACCORDS DE TIGE À DOUBLE ÉPAULEMENT

Publication

**EP 3271631 A4 20181024 (EN)**

Application

**EP 15885322 A 20150318**

Priority

JP 2015001527 W 20150318

Abstract (en)

[origin: WO2016147222A1] A drill pipe with double shoulder tool joints by which a stress concentration can be relaxed and provided with an excellent fatigue characteristic without largely changing a predetermined threaded portion shape is provided. A drill pipe (1) with a double shoulder tool joint includes a pin (3) including a male threaded portion (30) having a predetermined shape, and a box (2) including a female threaded portion (20) to be screwed with the male threaded portion (30), and a stabbing flank (41) of each of three or less consecutive proximal thread ridges on a larger-diameter side of the male threaded portion (30) and/or three or less consecutive proximal thread ridges on a smaller-diameter side of the female threaded portion (20) includes a round processed portion.

IPC 8 full level

**F16L 15/04** (2006.01); **E21B 17/02** (2006.01)

CPC (source: EP)

**E21B 17/042** (2013.01)

Citation (search report)

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- [X] EP 1705415 A2 20060927 - INTELLISERV INC [US]
- [I] US 4549754 A 19851029 - SAUNDERS DONNA D [US], et al
- [X] US 2006222475 A1 20061005 - BREIHAN JAMES W [US], et al
- [XY] US 6485063 B1 20021126 - OLIVIER HUEY P [US]
- See references of WO 2016147222A1

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 2016147222 A1 20160922**; CN 107429861 A 20171201; EP 3271631 A1 20180124; EP 3271631 A4 20181024; JP 2018509573 A 20180405; JP 6528292 B2 20190612

DOCDB simple family (application)

**JP 2015001527 W 20150318**; CN 201580077942 A 20150318; EP 15885322 A 20150318; JP 2017546930 A 20150318