

Title (en)

TORQUE SHOULDER FOR TUBULAR GOODS CONNECTION

Title (de)

DREHMOMENTSCHULTER FÜR ROHRFÖRMIGE WARENVERBINDUNG

Title (fr)

ÉPAULEMENT DE COUPLE POUR RACCORDEMENT D'ARTICLES TUBULAIRES

Publication

EP 3983637 B1 20230906 (EN)

Application

EP 20733420 A 20200617

Priority

- US 201962862485 P 20190617
- NL 2023877 A 20190923
- EP 2020066674 W 20200617

Abstract (en)

[origin: WO2020254349A1] A tubular connection includes either or both of a pin or a box. The pin includes an external male threaded zone having external male threads disposed on a portion of the pin, and the box includes an internal female threaded zone having internal female threads disposed on a portion of the first box. The internal female threads are configured to engage with the external male threads of the first pin. At least one of the pin or the box includes a torque shoulder surface that includes a surface roughness that is greater than or equal to 100 microns. In some instances, the torque shoulder surface can include a knurled surface profile that is continuous along the torque shoulder surface. In certain instances, a second mating torque shoulder surface has a surface roughness greater than or equal to 100 microns.

IPC 8 full level

E21B 17/042 (2006.01)

CPC (source: EP US)

E21B 17/042 (2013.01 - EP); **E21B 17/0423** (2013.01 - US)

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 2020254349 A1 20201224; BR 112021025575 A2 20220201; CA 3142858 A1 20201224; CO 2021016917 A2 20220117; EC SP21090730 A 20220131; EP 3983637 A1 20220420; EP 3983637 B1 20230906; MX 2021015522 A 20220203; PE 20220324 A1 20220314; US 2023122987 A1 20230420

DOCDB simple family (application)

EP 2020066674 W 20200617; BR 112021025575 A 20200617; CA 3142858 A 20200617; CO 2021016917 A 20211214; EC DI202190730 A 20211215; EP 20733420 A 20200617; MX 2021015522 A 20200617; PE 2021002074 A 20200617; US 202017759839 A 20200617