

Title (en)

METHOD AND APPARATUS FOR MAKING UP AND BREAKING OUT THREADED TUBULAR CONNECTIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG UND TRENNUNG VON GEWINDEROHRVERBINDUNGEN

Title (fr)

PROCÉDÉ ET APPAREIL DE RÉALISATION ET DE RUPTURE DE RACCORDS TUBULAIRES FILETÉS

Publication

EP 2318642 A1 20110511 (EN)

Application

EP 09774442 A 20090701

Priority

- US 2009049405 W 20090701
- US 7721008 P 20080701

Abstract (en)

[origin: WO2010002992A1] An internally gripping tong to rotate tubular segments comprising a central cam body rotatably disposed within a housing having a plurality of windows. The cam body is surrounded by a plurality of angularly distributed gripping jaws slidably received within the windows. The tong is disposed within a bore of a tubular segment, and rotation of the housing relative to the cam body deploys the gripping jaws radially outwardly within the windows to engage the interior wall of the tubular segment. The tong may be self-energizing in both the make-up and the break-out modes of operation. The tong may be deployed to grip the tubular segment using a device to frictionally couple the housing to the tubular segment that cooperates with the top drive assembly, or by an internal actuator that imparts rotation to the housing relative to the cam body.

IPC 8 full level

E21B 19/00 (2006.01); **E21B 19/06** (2006.01); **E21B 19/16** (2006.01)

CPC (source: EP)

E21B 3/022 (2020.05); **E21B 19/00** (2013.01); **E21B 19/06** (2013.01); **E21B 19/16** (2013.01)

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010002992 A1 20100107; EP 2318642 A1 20110511

DOCDB simple family (application)

US 2009049405 W 20090701; EP 09774442 A 20090701