

Title (en)
POWER TONG

Title (de)
KRAFTZANGE

Title (fr)
CLÉ DE VISSAGE AUTOMATIQUE

Publication
EP 3592937 A4 20201202 (EN)

Application
EP 17899383 A 20170307

Priority
US 2017021032 W 20170307

Abstract (en)
[origin: WO2018164664A1] A tong and method, in which the tong includes a first plate, and a gear that is rotatable relative to the first plate. The gear defines a slot laterally therethrough. An inner surface of the gear includes at least three cam surface. The tong also includes at least three jaws coupled to the first plate such that the at least three jaws are radially movable with respect to the first plate and are prevented from circumferential movement with respect thereto. The at least three jaws are engageable with the at least three cam surfaces such that rotation of the gear relative to the first plate causes the at least three jaws to move in a radial direction between an extended position and a retracted position.

IPC 8 full level
E21B 19/16 (2006.01)

CPC (source: EP)
E21B 19/161 (2013.01)

Citation (search report)

- [A] US 2003177870 A1 20030925 - NEVES BILLY W [US], et al
- [A] US 6223629 B1 20010501 - BANGERT DANIEL S [US]
- [A] US 2008202291 A1 20080828 - BOULIGNY VERNON J [US], et al
- See references of WO 2018164664A1

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 2018164664 A1 20180913; AU 2017402657 A1 20190801; AU 2017402657 B2 20220908; BR 112019018331 A2 20200331; CA 3049862 A1 20180913; CA 3049862 C 20221011; EP 3592937 A1 20200115; EP 3592937 A4 20201202; EP 3592937 B1 20211201; MX 2019010566 A 20191024

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US 2017021032 W 20170307; AU 2017402657 A 20170307; BR 112019018331 A 20170307; CA 3049862 A 20170307; EP 17899383 A 20170307; MX 2019010566 A 20170307