

Title (en)

BATTERY OPERATED AUTONOMOUS SCALE REMOVAL SYSTEM FOR WELLS

Title (de)

BATTERIEBETRIEBENES AUTONOMES ENTKALKERSYSTEM FÜR BRUNNEN

Title (fr)

SYSTÈME AUTONOME D'ÉLIMINATION DE DÉPÔT CALCAIRE ALIMENTÉ PAR BATTERIE POUR PUITS

Publication

EP 3183413 A4 20170802 (EN)

Application

EP 15833517 A 20150714

Priority

- US 201462038930 P 20140819
- US 2015040262 W 20150714

Abstract (en)

[origin: WO2016028412A1] An autonomously operated well intervention tool system includes a lubricator sealingly affixable to an upper end of a well. The lubricator has a latch at an upper end thereof. A well intervention tool system is releasably matable with the latch. The well intervention tool system comprises a wellbore intervention device at a longitudinal end thereof. The lubricator has at least one isolation valve to close fluid communication between the well and the lubricator.

IPC 8 full level

E21B 23/00 (2006.01); **E21B 34/02** (2006.01); **E21B 34/04** (2006.01); **E21B 37/00** (2006.01)

CPC (source: EP US)

E21B 33/068 (2013.01 - EP US); **E21B 37/00** (2013.01 - EP US); **E21B 23/06** (2013.01 - US)

Citation (search report)

- [IY] US 2005194149 A1 20050908 - GIACOMINO JEFFREY L [US]
- [IY] US 2005241824 A1 20051103 - BURRIS WESLEY J II [US], et al
- [I] US 4923372 A 19900508 - FERGUSON PAUL L [US], et al
- [YA] US 2013319661 A1 20131205 - XIAO JINJIANG [SA], et al
- [YA] US 6173771 B1 20010116 - ESLINGER DAVID M [US], et al
- See references of WO 2016028412A1

Cited by

CN107701133A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016028412 A1 20160225; EP 3183413 A1 20170628; EP 3183413 A4 20170802; US 2017204702 A1 20170720

DOCDB simple family (application)

US 2015040262 W 20150714; EP 15833517 A 20150714; US 201515508916 A 20150714