

Title (en)

UNDERGROUND OPENING SELF-LOCKING WELL CASING PIPE CENTERING DEVICE

Title (de)

SELBSTVERRIEGELNDE BOHRLOCHVERROHRUNGSZENTRIERVORRICHTUNG MIT UNTERIRDISCHER ÖFFNUNG

Title (fr)

DISPOSITIF DE CENTRAGE DE TUBE DE FORAGE DE PUIT À BLOCAGE AUTOMATIQUE D'OUVERTURE SOUTERRAINE

Publication

**EP 3170964 A4 20170920 (EN)**

Application

**EP 15821386 A 20150714**

Priority

- CN 201410337155 A 20140716
- CN 2015083917 W 20150714

Abstract (en)

[origin: US2016215574A1] The invention relates to a downhole-started self-locking casing centralizer, comprising a connecting part (1) and a connecting part (2) on both ends, a central supporting part being arranged between the connecting part (1) and the connecting part (2), and characterized in that the central supporting part comprises a hollow coupler, and at least three N-stage piston self-locking support devices extending by stages under pressure are evenly distributed along the circumference of the coupler, N#2. The invention has the following advantages: 1. a threaded integral structure is adopted; 2. a downhole-started self-locking support structure is adopted; and 3. a circular arc support cap helps ensure large support force and reduce damage to borehole walls.

IPC 8 full level

**E21B 17/10** (2006.01)

CPC (source: EP US)

**E21B 17/1014** (2013.01 - EP US)

Citation (search report)

- [I] CN 103670296 A 20140326 - PETROCHINA CO LTD
- [A] US 2008142228 A1 20080619 - HARVEY PETER R [US], et al
- See references of WO 2016008400A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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