

Title (en)

LOCK SYSTEM FOR A BLOWOUT PREVENTER

Title (de)

BLOCKIERSYSTEM FÜR EINE AUSBLASSICHERUNG

Title (fr)

SYSTÈME DE VERROUILLAGE POUR UN BLOC OBTURATEUR DE PUIT

Publication

**EP 3839198 A1 20210623 (EN)**

Application

**EP 19306685 A 20191218**

Priority

EP 19306685 A 20191218

Abstract (en)

A lock system for a blowout preventer (BOP) includes an annular body, a movable rod positioned within the annular body, and an annular chamber defined between the annular body and the movable rod along a radial axis. The lock system also includes a locking sleeve positioned within the annular chamber, wherein the locking sleeve is configured to deform along the radial axis from a first position in which the locking sleeve blocks movement of the movable rod relative to the annular body and a second position in which the locking sleeve enables movement of the movable rod relative to the annular body. The lock system further includes a preload system.

IPC 8 full level

**E21B 33/06** (2006.01); **E21B 33/064** (2006.01); **E21B 34/16** (2006.01)

CPC (source: EP)

**E21B 33/062** (2013.01); **E21B 33/064** (2013.01); **E21B 34/16** (2013.01)

Citation (search report)

- [A] US 4969390 A 19901113 - WILLIAMS III BOLIE C [US]
- [A] US 5025708 A 19910625 - SMITH DENZIL B [US], et al
- [A] US 2015184497 A1 20150702 - WHITBY ROSS [US]
- [A] US 4052995 A 19771011 - ELLISON C MACK

Designated contracting state (EPC)

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DOCDB simple family (publication)

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