

Title (en)

SHUTOFF APPARATUS AND SYSTEM

Title (de)

ABSPERRVORRICHTUNG UND -SYSTEM

Title (fr)

DISPOSITIF ET SYSTÈME D'ARRÊT

Publication

**EP 4115019 A1 20230111 (DE)**

Application

**EP 21742035 A 20210527**

Priority

- DE 102020003293 A 20200530
- DE 2021000100 W 20210527

Abstract (en)

[origin: WO2021244687A1] The invention relates to a shutoff apparatus for arrangement on a subsurface, comprising an at least substantially tubular hollow part which defines a longitudinal direction of the shutoff apparatus, an actuating element which is arranged at a first free end of the hollow part and is movable relative to the hollow part between a loose position and an anchored position, a mechanical anchoring mechanism which is arranged opposite the actuating element in relation to the longitudinal direction and comprises a movable bolt element, and a movably mounted actuating rod which is fixed to the actuating element, extends in the longitudinal direction, is arranged in the hollow part and is mechanically coupled to the anchoring mechanism, and a shutoff system.

IPC 8 full level

**E01F 13/02** (2006.01)

CPC (source: EP US)

**E01F 13/026** (2013.01 - EP US)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102020003293 A1 20211202**; DE 112021003055 A5 20230601; EP 4115019 A1 20230111; EP 4115019 B1 20231213;  
EP 4115019 C0 20231213; ES 2973027 T3 20240618; US 2023089264 A1 20230323; WO 2021244687 A1 20211209

DOCDB simple family (application)

**DE 102020003293 A 20200530**; DE 112021003055 T 20210527; DE 2021000100 W 20210527; EP 21742035 A 20210527;  
ES 21742035 T 20210527; US 202218071073 A 20221129