

Title (en)

PRESSURE CONTROL DEVICE WITH COMPOSITE ANNULAR SEAL ASSEMBLY

Title (de)

DRUCKREGELVORRICHTUNG MIT RINGFÖRMIGER VERBUNDDICHTUNGSANORDNUNG

Title (fr)

DISPOSITIF DE COMMANDE DE PRESSION COMPORTANT UN ENSEMBLE JOINT ANNULAIRE COMPOSITE

Publication

EP 3717737 A1 20201007 (EN)

Application

EP 18797357 A 20181016

Priority

- US 201715824179 A 20171128
- US 2018056041 W 20181016

Abstract (en)

[origin: US2019162041A1] A pressure control device can include a housing assembly, a releasable assembly releasably secured relative to the housing assembly, the releasable assembly being configured to seal against a tubular string extending through the pressure control device, and an annular seal assembly that prevents flow through an annular gap formed radially between the housing assembly and the releasable assembly, the annular seal assembly comprising a resilient seal element bonded to a rigid support element. A method of securing a releasable assembly in a housing assembly of a pressure control device can include attaching an annular seal assembly to the releasable assembly, the annular seal assembly comprising a rigid support element bonded to a resilient seal element, and receiving the releasable assembly at least partially in the housing assembly, thereby sealingly engaging the resilient seal element with a seal bore in the housing assembly.

IPC 8 full level

E21B 33/08 (2006.01)

CPC (source: EP US)

E21B 33/085 (2013.01 - EP US)

Citation (search report)

See references of WO 2019108317A1

Cited by

WO2023152563A1

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)

US 2019162041 A1 20190530; BR 112020010464 A2 20201124; BR 112020010464 B1 20231003; EP 3717737 A1 20201007; EP 3717737 B1 20220302; MX 2020005417 A 20201028; WO 2019108317 A1 20190606

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