

Title (en)

DEVICE FOR SEALING A FLUID PRODUCT VESSEL

Title (de)

VORRICHTUNG ZUM ABDICHTEN EINES BEHÄLTERS FÜR FLÜSSIGE PRODUKTE

Title (fr)

DISPOSITIF D'OBTURATION D'UN RESERVOIR DE PRODUIT FLUIDE

Publication

EP 4298028 A1 20240103 (FR)

Application

EP 22710679 A 20220222

Priority

- FR 2101797 A 20210224
- FR 2022050320 W 20220222

Abstract (en)

[origin: WO2022180337A1] Device for sealing a vessel (1), comprising: - a stopper (10) for sealing the vessel (1), the stopper (10) comprising sealing means (13; 14) for sealing the vessel (1), - an attachment ring (20) for attaching the stopper (10) to the vessel; (1), the ring (20) comprising a sleeve (21) provided with a radial flange (22) comprising a central opening (23), and first attachment means (25) to be attached to the vessel (1), - a cover (30) comprising a radial disc (31) and second attachment means (33), - a blocking element (40) comprising an axial wall (41) and complementary attachment means (43) engaging in the assembled state with the second means (33) for attaching the cover (30), the axial wall (41) comprising, on one portion of its periphery, a tearable tab (42) defined between two grooves (44, 45) forming bridges of thin material, the tab (42) comprising, on one side, a gripping portion (46) and ending, on the opposite side, with a flared portion (42') such that, once torn, the axial wall (41) opens out along the entire height thereof, thus making it possible to remove the blocking element (40) from the sealing device.

IPC 8 full level

B65D 51/00 (2006.01); **B65D 55/08** (2006.01)

CPC (source: EP KR US)

B65D 41/58 (2013.01 - EP US); **B65D 45/30** (2013.01 - EP US); **B65D 51/002** (2013.01 - EP KR US); **B65D 51/18** (2013.01 - EP KR); **B65D 55/06** (2013.01 - EP US); **B65D 55/0863** (2013.01 - EP); **B65D 2251/0015** (2013.01 - EP KR); **B65D 2251/009** (2013.01 - EP KR); **B65D 2401/15** (2020.05 - US); **B65D 2401/25** (2020.05 - EP KR)

Citation (search report)

See references of WO 2022180337A1

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)

FR 3120059 A1 20220826; **FR 3120059 B1 20230602**; CN 117136161 A 20231128; EP 4298028 A1 20240103; JP 2024510116 A 20240306; KR 20230150987 A 20231031; US 2024132257 A1 20240425; US 2024228125 A9 20240711; WO 2022180337 A1 20220901

DOCDB simple family (application)

FR 2101797 A 20210224; CN 202280028404 A 20220222; EP 22710679 A 20220222; FR 2022050320 W 20220222; JP 2023550217 A 20220222; KR 20237032640 A 20220222; US 202218278475 A 20220222