

Title (en)

DOOR ASSEMBLY ALLOWING SEALED TRANSFER BETWEEN TWO ENCLOSED VOLUMES

Title (de)

TÜRANORDNUNG FÜR DEN VERSIEGELTEN TRANSFER ZWISCHEN ZWEI EINGESCHLOSSENEN VOLUMINA

Title (fr)

ARRANGEMENT DE PORTE PERMETTANT UN TRANSFERT ETANCHE ENTRE DEUX VOLUMES CLOS

Publication

**EP 4076873 A1 20221026 (FR)**

Application

**EP 20848707 A 20201217**

Priority

- FR 1915245 A 20191220
- FR 2020052497 W 20201217

Abstract (en)

[origin: WO2021123635A1] The invention relates to a door assembly (1) allowing a sealed transfer between two enclosed volumes, comprising a flange (2) arranged to delimit an opening in one of the enclosed volumes, and a door (4) that extends along an axis (C) and is hingedly fastened to/mounted on the flange (2) so as to move from a closed position in which the door (4) closes the through-opening (3), into an open position, characterized in that the door (4) is fastened to the flange (2) by a double-joint linkage mechanism (5) comprising a first joint (6) arranged to allow a rotational movement about an axis (A) perpendicularly to the axis (C) of the door by a maximum of 30 degrees in relation to the plane of the through-opening (3), and a second joint (7) arranged to allow a rotational movement about an axis (B) parallel to the axis (C) of the door.

IPC 8 full level

**B01L 1/02** (2006.01); **B25J 21/02** (2006.01); **F16J 13/18** (2006.01); **F16J 13/22** (2006.01); **G21F 7/005** (2006.01); **G21F 7/047** (2006.01)

CPC (source: EP US)

**B01L 1/02** (2013.01 - EP); **B25J 21/02** (2013.01 - EP); **E06B 5/00** (2013.01 - US); **F16J 13/18** (2013.01 - EP US); **F16J 13/22** (2013.01 - EP US); **G21F 7/005** (2013.01 - EP); **G21F 7/047** (2013.01 - EP); **B01L 2200/026** (2013.01 - EP); **B01L 2200/0689** (2013.01 - EP); **B01L 2200/141** (2013.01 - EP)

Citation (search report)

See references of WO 2021123635A1

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 3105192 A1 20210625**; **FR 3105192 B1 20220325**; CN 115103743 A 20220923; EP 4076873 A1 20221026; JP 2023507129 A 20230221; US 2023023565 A1 20230126; WO 2021123635 A1 20210624

DOCDB simple family (application)

**FR 1915245 A 20191220**; CN 202080087130 A 20201217; EP 20848707 A 20201217; FR 2020052497 W 20201217; JP 2022536788 A 20201217; US 202017787497 A 20201217