

Title (en)

Device for linking doors between two chambers insulated from the outside environment

Title (de)

Vorrichtung zur Verbindung von Türen zwischen zwei von der Umgebung abgedichteten Räumen

Title (fr)

Dispositif de liaison de portes entre deux enceintes isolées du milieu extérieur

Publication

**EP 1141974 A1 20011010 (FR)**

Application

**EP 99959468 A 19991209**

Priority

- FR 9903078 W 19991209
- FR 9815851 A 19981211

Abstract (en)

[origin: US2003126799A1] This connecting device applies to a sealed connection device in which, firstly, each chamber, respectively a stationary chamber "A" and a transportable chamber "B" has at least one access opening equipped with a door (2, 3) cooperating with a flange (4, 5) with the interposition of sealing means (12, 14), one (2) of the two doors being articulated to its flange (4), and secondly, the two doors (2, 3) have means of locking to their respective flanges (4, 5) and complementary connecting means which allow them to be connected thereby forming, through contact of sealing means (12, 16), an internal space "C" isolating their faces (17, 18) opposite each other from the external medium. According to the invention, the means of connecting the two doors (2, 3) together comprise a network of ducts (30, 34, 35) formed at least in one of the doors and emerging, at one of its ends, from the external face (18) of the said door in the said sealed internal space "C", the said network being connected, at its other end, to a source (30) of vacuum.

IPC 1-7

**F16P 1/00**; **G21F 7/005**; **G21F 7/047**

IPC 8 full level

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CPC (source: EP US)

**B01L 1/02** (2013.01 - EP US); **G21F 7/005** (2013.01 - EP US); **G21F 7/047** (2013.01 - EP US)

Citation (search report)

See references of WO 0036610A1

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WO2011061463A1; US9283556B2; WO2011061464A1; US9168520B2; WO2013017765A1; WO2013017766A1; US9440229B2; US9446401B2; US9795956B2

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