Title (en)
   PRESSURE BALANCING DEVICE

Title (de)
   DRUCKAUSGLEICHSVORRICHTUNG

Title (fr)
   DISPOSITIF D'ÉQUILIBRAGE DE PRESSION

Publication
   **EP 3880343 A4 20221026 (EN)**

Application
   **EP 18940383 A 20181114**

Priority
   TR 2018050686 W 20181114

Abstract (en)
   [origin: WO2020101583A2] A pressure balancing member (B) used to balance pressure in closed system (A) and external environment pressure and to remove humidity of closed system (A), comprising a body (30), at least a membrane (20) located in the part of said body (30) contacting external environment, not allowing solid and liquid particles but gas permeable, desiccant agent (100) located in said body (30) and absorbing humidity of air entering closed system (A) and comprising at least a heater (90) located in said body (30) and providing regeneration of said desiccant agent (100) and getting energy required for operation from an external power supply and/or from closed system (A) wherein the body (30) is located.

IPC 8 full level
   **B01D 53/04** (2006.01); **B01D 53/26** (2006.01); H05K 5/02 (2006.01)

CPC (source: EP)
   **B01D 53/0438** (2013.01); **B01D 53/0446** (2013.01); **B01D 53/261** (2013.01); **H05K 5/0212** (2022.08); **H05K 5/0216** (2022.08); B01D 2257/80 (2013.01); B01D 2258/06 (2013.01); B01D 2259/40096 (2013.01); B01D 2259/4525 (2013.01)

Citation (search report)
   • [X] WO 0047932 A1 20000817 - DONALDSON CO INC [US]
   • [X] US 2011232485 A1 20110929 - ELLSWORTH JOSEPH [US]
   • [X] US 6290758 B1 20010918 - MOWAT SCOTT [AU]
   • [A] GB 2369070 A 20020522 - RUSSELL SMITH GEOFFREY [GB]
   • See references of WO 2020101583A2

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

DOCDB simple family (publication)
   **WO 2020101583 A2 20200522**; **WO 2020101583 A3 20200820**; EP 3880343 A2 20210922; EP 3880343 A4 20221026

DOCDB simple family (application)
   **TR 2018050686 W 20181114**; EP 18940383 A 20181114