Title (en)

CELL AND METHOD FOR STORING A SET OF PRODUCTS, WITH CREATION OF AN AIR FLOW THROUGH THE SET OF PRODUCTS

Title (de)

ZELLE UND VERFAHREN ZUM SPEICHERN EINES SATZES VON PRODUKTEN UNTER ERZEUGUNG EINES LUFTSTROMS DURCH DEN SATZ VON PRODUKTEN

Title (fr)

CELLULE ET PROCEDE DE STOCKAGE D'UN ENSEMBLE DE PRODUITS, AVEC MISE EN OEUVRE D'UN FLUX D'AIR À TRAVERS L'ENSEMBLE DE PRODUITS

Publication

EP 3765802 B1 20220216 (FR)

Application

EP 19708324 A 20190306

Priority

- FR 1852108 A 20180312
- EP 2019055515 W 20190306

Abstract (en)

[origin: CA3088657A1] The invention relates to a cell (1) for storing at least one set (2) of products (20), particularly a set of products arranged on at least one storage support (3), said cell comprising ventilation means (4) for creating a rear-to-front air flow (A) circulating in the housing (14) from the rear to the front of the housing or for creating a front-to-rear air flow (B) circulating in the housing (14) from the front to the rear of the housing, and at least one first sealing device (5 or 6) comprising a first flexible sealing element (50 or 60) that can swell in relation to one of the walls (10, 11, 12) of the cell and towards the inside of the housing (14) under the effect of an air pressure which is generated in the housing (14) by said air flow (A or B). The first sealing device (5 or 6) comprises at least one second sealing element (52 or 62) that can be switched between an inactive configuration and an active configuration in which it exerts a mechanical pressure on part of the first flexible sealing element (50 or 60), said mechanical pressure being oriented towards the inside of the housing (14) and allowing said first flexible sealing element (50 or 60) to be distanced from said wall (10, 11, 12) of the cell in relation to which said first flexible sealing element (50 or 60) can swell. The cell comprises actuating means that allow the second sealing element (52 or 62) to be switched into its active configuration.

IPC 8 full level

F25D 17/00 (2006.01); **B65D 81/18** (2006.01); **F25D 17/04** (2006.01); **F25D 25/00** (2006.01)

CPC (source: EP US)

A47F 3/001 (2013.01 - US); **B65D 81/18** (2013.01 - EP); **B65D 88/745** (2013.01 - US); **B65D 88/747** (2013.01 - US); **F25D 17/005** (2013.01 - EP US); **F25D 17/045** (2013.01 - EP); **F25D 25/00** (2013.01 - EP); F25D 2317/0684 (2013.01 - EP)

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)

FR 3078771 A1 20190913; **FR 3078771 B1 20211231**; AU 2019233443 A1 20200820; AU 2019233443 B2 20230202; BR 112020018127 A2 20201222; CA 3088657 A1 20190919; CN 111819409 A 20201023; CN 111819409 B 20220513; EP 3765802 A1 20210120; EP 3765802 B1 20220216; ES 2910162 T3 20220511; MA 51991 A 20210120; MA 51991 B1 20220331; RU 2020129031 A 20220412; US 11986107 B2 20240521; US 2021161312 A1 20210603; WO 2019174985 A1 20190919; WO 2019174985 A8 20191107

DOCDB simple family (application)

FR 1852108 A 20180312; AU 2019233443 A 20190306; BR 112020018127 A 20190306; CA 3088657 A 20190306; CN 201980016659 A 20190306; EP 19708324 A 20190306; EP 2019055515 W 20190306; ES 19708324 T 20190306; MA 51991 A 20190306; RU 2020129031 A 20190306; US 201916978878 A 20190306