

Title (en)

APPARATUS AND PROCESS FOR DRYING OR HEATING AND COOLING BULK GOODS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TROCKNEN ODER ERHITZEN UND KÜHLEN VON SCHÜTTBAREN STOFFEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR LE SÉCHAGE OU CHAUFFAGE ET REFROIDISSEMENT DES MATÉRIAUX EN VRAC

Publication

**EP 3523586 B1 20201021 (DE)**

Application

**EP 17771333 A 20170912**

Priority

- DE 102016011907 A 20161004
- EP 2017001080 W 20170912

Abstract (en)

[origin: CA3039078A1] The device according to the invention for drying or heating and cooling pourable substances consists of a rotatable drum having means for receiving the pourable substance into a first region and means for discharging the pourable substance from a second region, wherein a central region is arranged between the first and second region, which central region consists of an annular structure having a first and a second diaphragm each having central diaphragm openings which substantially form two mutually parallel diaphragm planes, and have a plurality of transporting ducts which are closed to the central region and are intended for transporting the pourable substance from the first into the second region of the rotatable drum through the central region, wherein the transporting ducts extend from the first to the second diaphragm at an angle unequal to 90° with respect to the two diaphragm planes.

IPC 8 full level

**F26B 11/02** (2006.01); **F26B 11/04** (2006.01)

CPC (source: EP US)

**F26B 11/028** (2013.01 - EP US); **F26B 11/0436** (2013.01 - EP US); **F27B 7/02** (2013.01 - US); **F27B 7/10** (2013.01 - US); **F27B 7/12** (2013.01 - US); **F26B 2200/14** (2013.01 - EP); **F27B 2007/025** (2013.01 - US)

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)

**DE 102016011907 A1 20180405**; CA 3039078 A1 20180412; CA 3039078 C 20220830; EP 3523586 A1 20190814; EP 3523586 B1 20201021; ES 2842449 T3 20210714; MA 46444 B1 20201231; PL 3523586 T3 20210419; US 2020141648 A1 20200507; WO 2018065082 A1 20180412

DOCDB simple family (application)

**DE 102016011907 A 20161004**; CA 3039078 A 20170912; EP 17771333 A 20170912; EP 2017001080 W 20170912; ES 17771333 T 20170912; MA 46444 A 20170912; PL 17771333 T 20170912; US 201716338879 A 20170912