

Title (en)
DRIER

Title (de)
TROCKNUNGSVORRICHTUNG

Title (fr)
SÉCHEUR

Publication
EP 3163239 B1 20191127 (DE)

Application
EP 16194509 A 20161019

Priority
• DE 202015105780 U 20151030
• DE 102016105538 A 20160324

Abstract (en)
[origin: WO2017162430A2] The invention relates to a drying device for a mixture (9) of a liquid and one or more solids, comprising a receiving container (5) for the mixture (9), a rotor (2) arranged with a portion of its circumference in the receiving container (5), and a drive device (3) for rotationally driving the rotor (2), wherein the rotor (2) has a plurality of flat entraining elements (14). The invention is characterized in that the entraining elements (14) have a radial orientation with respect to an axis of rotation (17) of the rotor (2), wherein at least some of the entraining elements (14) have a configuration, in which relatively narrow entraining elements (14) alternate with relatively wide entraining elements (14) in the circumferential direction of the rotor (2) and/or in that at least some of the entraining elements (14) are provided with a plurality of passage openings.

IPC 8 full level
F26B 11/04 (2006.01); **F26B 11/06** (2006.01); **F26B 17/00** (2006.01)

CPC (source: EP RU US)
F26B 11/04 (2013.01 - EP RU US); **F26B 11/0409** (2013.01 - EP US); **F26B 11/0472** (2013.01 - EP US); **F26B 11/0486** (2013.01 - EP US); **F26B 17/00** (2013.01 - EP US); **F26B 17/20** (2013.01 - US); **F26B 2200/12** (2013.01 - US); **F26B 2200/18** (2013.01 - US)

Citation (examination)
BE 401889 A

Cited by
EP3767212A1; BE1027387B1; EP4272851A1; EP4272850A1; BE1027387A1

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 202015105780 U1 20151111; CN 108139152 A 20180608; CN 108139152 B 20200616; DE 102016105538 A1 20170504; DK 3163239 T3 20200210; EP 3163238 A1 20170503; EP 3163239 A1 20170503; EP 3163239 B1 20191127; HU E047949 T2 20200528; PL 3163239 T3 20200518; RU 2018102529 A 20190725; RU 2018102529 A3 20200424; RU 2736973 C2 20201123; US 10473395 B2 20191112; US 2018209733 A1 20180726; WO 2017162430 A2 20170928; WO 2017162430 A3 20171116

DOCDB simple family (application)
DE 202015105780 U 20151030; CN 201780002641 A 20170307; DE 102016105538 A 20160324; DK 16194509 T 20161019; EP 16194508 A 20161019; EP 16194509 A 20161019; EP 2017055281 W 20170307; HU E16194509 A 20161019; PL 16194509 T 20161019; RU 2018102529 A 20170307; US 201715745758 A 20170307