

Title (en)
METHOD AND FACILITY FOR DRYING PLANT MATERIAL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR TROCKNUNG VON PFLANZLICHEM MATERIAL

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SÉCHAGE DE MATIÈRE VÉGÉTALE

Publication
EP 2614327 A1 20130717 (DE)

Application
EP 11757772 A 20110905

Priority
• DE 102010045064 A 20100910
• EP 2011004462 W 20110905

Abstract (en)
[origin: CA2810936A1] The invention relates to a method and to an accompanying facility (1) for drying plant material (19), such as, for example, fruits, spices, plants, herbs and the like, by means of a stream of drying gas which is supplied to a drying installation. The method according to the invention is distinguished by the fact that the material to be dried is distributed to a plurality of trays (15-17) of the drying installation (1), which trays are arranged one above the other and through which gas can flow, where each tray is supplied with a portion (10, 11) of refreshed and conditioned drying gas so that an almost uniform drying rate of the material to be dried is obtained on the individual trays. The facility according to the invention is composed of a plurality of trays (13, 17) arranged one above the other in the process space (3) of the drying installation (1) so that a first portion (10) of the drying gas can flow through them, they are divided in each case into a plurality of segments (12) and they have assigned to them, underneath the segments (12) of the respective individual trays (16, 17), in each case a marginal channel (14), a central channel (13) and a transverse channel (18), for supplying a second portion (11) of a drying gas.

IPC 8 full level
F26B 9/06 (2006.01); **A23B 7/02** (2006.01); **A23B 7/022** (2006.01); **F26B 3/06** (2006.01); **F26B 5/00** (2006.01); **F26B 5/04** (2006.01); **F26B 21/00** (2006.01)

CPC (source: EP US)
A23B 7/0205 (2013.01 - EP US); **A23B 7/022** (2013.01 - EP US); **F26B 5/044** (2013.01 - EP US); **F26B 9/066** (2013.01 - EP US); **Y02P 60/85** (2015.11 - EP US)

Citation (search report)
See references of WO 2012031732A1

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 102010045064 A1 20120315; **DE 102010045064 B4 20160519**; BR 112013005310 A2 20160816; CA 2810936 A1 20120315; CN 103124887 A 20130529; CN 103124887 B 20150916; EP 2614327 A1 20130717; RU 2013115925 A 20141020; RU 2546390 C2 20150410; US 2013160319 A1 20130627; WO 2012031732 A1 20120315; WO 2012031732 A8 20120531

DOCDB simple family (application)
DE 102010045064 A 20100910; BR 112013005310 A 20110905; CA 2810936 A 20110905; CN 201180042754 A 20110905; EP 11757772 A 20110905; EP 2011004462 W 20110905; RU 2013115925 A 20110905; US 201113821660 A 20110905