

Title (en)
METHOD FOR DRYING BULK MATERIALS, IN PARTICULAR SOLIDS, SUCH AS GRANULATES, POWDERS, GRAINS, FOILS, SHAVINGS OR THE LIKE, PREFERABLY PLASTIC GRANULATE

Title (de)
VERFAHREN ZUR TROCKNUNG VON SCHÜTTGUT, INSBESONDERE FESTSTOFFEN, WIE GRANULATE, PULVER, KÖRNER, FOLIEN, SCHNIPSEL, O. DGL., VORZUGSWEISE KUNSTSTOFFGRANULAT

Title (fr)
PROCÉDÉ DE SÉCHAGE DES PRODUITS EN VRAC, EN PARTICULIER DES SOLIDES, TELS QUE DES GRANULÉS, DES POUDRES, DES CÉRÉALES, DES FEUILLES, DES MORCEAUX OU ANALOGUES, DE PRÉFÉRENCE DES GRANULÉS EN MATIÈRE PLASTIQUE

Publication
EP 3983739 A1 20220420 (DE)

Application
EP 20737332 A 20200608

Priority
• AT 505242019 A 20190612
• AT 2020060233 W 20200608

Abstract (en)
[origin: WO2020247992A1] The invention relates to a method for drying bulk materials (12), in particular solids, such as granulates, powders, grains, foils, shavings or the like, preferably for plastic-processing machines, in a single drying appliance (30) or multiple such appliances connected together to form an aggregate, and containers (10, 31), in particular material containers (10, 31). Depending on the material or bulk material (12) used, the drying time (45) specified by the producer or set by the user, in particular the residence time (45), is either sent by a superordinate control unit or by the user (2), or is set by the user in the control unit (19) of the container (10, 31) or of the drying appliance (30), or is present in the control unit (19) of the container (10, 31) or of the drying appliance (30) in the form of a local database, wherein the user (2) transmits, to the drying appliance(s) (30) and/or material container(s) (10, 31), the material consumption (43) or the shot weight per production cycle or the individual or cumulative shot weights for multiple production cycles or other values which make it possible to calculate the material consumption (43), this transmission being direct or indirect via the superordinate control unit, wherein each material container (10, 31) consists, on the control side, of multiple loading charges (48, 48a, 48b, 48c), preferably with time stamps (50a, 50b, 50c), and for the respective lowest loading charge (48, 48a, 48b, 48c), in particular a material charge, in the material container (10, 31) the drying time or residence time (45) is calculated as the difference between the current time of the respective material withdrawal by the user (2) and the time stamp (50a) belonging to the preferably oldest loading charge (48).

IPC 8 full level
F26B 3/06 (2006.01); **F26B 17/12** (2006.01); **F26B 17/14** (2006.01); **F26B 21/06** (2006.01); **F26B 25/00** (2006.01)

CPC (source: EP US)
F26B 3/06 (2013.01 - EP US); **F26B 17/12** (2013.01 - EP); **F26B 17/14** (2013.01 - EP US); **F26B 21/06** (2013.01 - EP); **F26B 21/12** (2013.01 - US); **F26B 25/002** (2013.01 - EP US); **F26B 2200/08** (2013.01 - US)

Citation (search report)
See references of WO 2020247992A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2020247992 A1 20201217; EP 3983739 A1 20220420; EP 3983739 B1 20231227; EP 3983739 C0 20231227; US 2022341662 A1 20221027

DOCDB simple family (application)
AT 2020060233 W 20200608; EP 20737332 A 20200608; US 202017616746 A 20200608