

Title (en)
METHOD FOR DRYING BULK MATERIAL

Title (de)
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Title (fr)
PROCÉDÉ DE SÉCHAGE DE MATÉRIAUX EN VRAC

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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).

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