

Title (en)

DEVICE AS WELL AS APPARATUS AND METHOD FOR THE TREATMENT OF MATERIALS AT ELEVATED TEMPERATURE AND UNDER MOVEMENT AND UNDER VACUUM

Title (de)

VORRICHTUNG SOWIE EINRICHTUNG UND VERFAHREN ZUR BEHANDLUNG VON MATERIALIEN BEI ERHÖHTER TEMPERATUR UND UNTER BEWEGUNG UND UNTER VAKUUM

Title (fr)

DISPOSITIF, APPAREIL ET PROCÉDÉ DE TRAITEMENT DE MATÉRIAUX AUX TEMPÉRATURES ÉLEVÉES, EN DÉPLACEMENT ET SOUS VIDE

Publication

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Application

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Abstract (en)

[origin: WO2007116022A2] The present invention concerns a method and an apparatus for drying and/or thermal treatment of granular or particulate plastic material with a vacuum dryer (1) and a corresponding vacuum dryer with a gas-tight sealable chamber (41) for the plastic material and a rotary axis (2) for rotating or swivelling the chamber, in which the jacket of the chamber is formed as one wall. The apparatus is characterised by the fact that a heating and/or a cooling vessel (10, 11) are arranged upstream and/or downstream of the vacuum dryer (1), such that, in the method, in a first step, pre-heated plastic material is charged in the absence of air into a vacuum-tight or gas-tight sealable chamber of the vacuum dryer, or non-pre- heated plastic material is charged into a vacuum-tight or gas-tight sealable chamber of the vacuum dryer and, after evacuation of the vacuum dryer, is heated by in-feeding and/or through-feeding of an inert hot gas and then can be through- mixed in a second step by movement of the vacuum dryer (1).

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