

Title (en)
DEVICE AND METHOD FOR PROCESSING THERMOPLASTIC MATERIAL WITH A TEMPERATURE CONTROL DEVICE FOR A CONVEYING SCREW

Title (de)
VORRICHTUNG UND VERFAHREN ZUR VERARBEITUNG VON THERMOPLASTISCHEM KUNSTSTOFF MIT EINER TEMPERIEREINRICHTUNG FÜR EINE TRANSPORTSCHNECKE

Title (fr)
DISPOSITIF DE TRAITEMENT DE MATIÈRE THERMOPLASTIQUE MUNI D'UN SYSTÈME DE THERMORÉGULATION D'UNE VIS TRANSPORTEUSE ET PROCÉDÉ AFFÉRENT

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Application
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Abstract (en)
[origin: WO2017089437A1] The invention relates to a device (1a..1g) for processing thermoplastic material, comprising a storage container (2) / a conveying line (11) for pieces of plastic particles and a conveying screw (3) connected thereto. The device further comprises (1a.. 1g) an extruder (4) which connects to the conveying screw (3), and a temperature control device (7) arranged in the course of the conveying screw (3). In addition, a temperature sensor (8, 8a, 8b) is arranged in the course of the conveying screw (3) / the extruder (4), and/or means (10) are provided for detecting a load of a drive (6) of the extruder (4). Finally, the device (1a..1g) comprises means for influencing the temperature control device (7) and a control/regulation unit (9) which is connected to the at least one temperature sensor (8, 8a, 8b) and/or the influencing means of the temperature control device (7). Furthermore, an operating method for the device (1a.. 1g) is specified, in which the pieces of plastic particles are temperature-controlled by a temperature control device (7) in the course of the conveying screw (3).

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