

Title (en)  
SINGLE-SCREW PLASTICATOR AND SET OF A SERIES; METHOD FOR PLASTICATING A STARTING MATERIAL

Title (de)  
EINSCHNECKEN-PLASTIFIZI ERMASCHINE UND SET EINER BAUREIHE; VERFAHREN ZUM PLASTIFIZIEREN EINES AUSGANGSMATERIALS

Title (fr)  
GROUPE DE PLASTIFICATION MONOVIS ET ENSEMBLE D'UNE SÉRIE; PROCÉDÉ DE PLASTIFICATION D'UN MATÉRIAU DE DÉPART

Publication  
**EP 2956284 A1 20151223 (DE)**

Application  
**EP 14712191 A 20140216**

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Abstract (en)  
[origin: WO2015113529A1] To increase the output, the diameter of the screw is generally increased in accordance with the physical laws of similarity. The length-to-diameter ratio remains the same, or the extruder becomes longer. This has the effect that the engineer seeks to use an extruder with a small screw diameter. The invention addresses the problem of presenting a universal concept of a single-screw plasticator. The invention discloses a compact screw with a diameter of at least 150 mm and with an effective length L that has in relation to the screw diameter D a ratio L/D of 1 to 8.

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