

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

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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.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2015113529A1

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DE 102013002559 A1 20140821; **DE 102013002559 B4 20140918**; CN 105142876 A 20151209; CN 105142876 B 20180406; DE 112014000840 A5 20151119; EP 2956284 A1 20151223; US 2015367532 A1 20151224; WO 2015113529 A1 20150806; WO 2015113529 A9 20151008

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DE 102013002559 A 20130215; CN 201480021588 A 20140216; DE 112014000840 T 20140216; DE 2014000057 W 20140216; EP 14712191 A 20140216; US 201414767954 A 20140216