

Title (en)

DEVICE AND METHOD FOR THE PREPARATION OF A MIXTURE COMPRISING FIBRE-REINFORCED THERMOPLASTIC PELLETS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER MISCHUNG AUS FASERVERSTÄRKTEN THERMOPLASTISCHEN GRANULATEN

Title (fr)

DISPOSITIF ET PROCEDE DE PREPARATION D'UN MELANGE COMPRENANT DES GRANULES THERMOPLASTIQUES RENFORCEES PAR DES FIBRES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0002718A1] This material must be plasticised and in order to be able to process such a mixture by injection moulding or flow moulding it is necessary for, on the one hand, a rise in pressure and, on the other hand, mixing of the material to take place by means of the device. In order as far as possible to prevent damage to the fibres during a mixing, it is proposed to effect mixing using a piston/cylinder device (3, 4) in which a stirrer construction is fitted, consisting of a number of mixing rods (15, 16, 17) which rotate together with the piston (4). With this arrangement the mixing rods (15, 16, 17) essentially cover the entire surface of the volume to be mixed.

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