

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF INJECTION MOULDED PARTS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON SPRITZGIESSTEILEN

Title (fr)

PROCEDE ET DISPOSITIF POUR FABRIQUER DES PIECES MOULEES PAR INJECTION

Publication

**EP 1594670 A1 20051116 (DE)**

Application

**EP 03720071 A 20030519**

Priority

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Abstract (en)

[origin: WO2004073953A1] The invention relates to a method and device for the production of injection moulded parts, especially preforms, in an injection molding method. The raw material and the additives are fed to a plasticizing worm (4) which injects pressurized plastic melt into the cavities of an injection mould (7,8) and the injection molded parts are removed from the moulds after cooling has occurred. According to the invention, the additives, especially AA blockers or coloring, are added directly to the worm cylinder in liquid form in a dosed manner after the raw material has been inputted. The invention relates more specifically to the injection molding of preforms for the production of PET bottles. One advantage of the invention is that it enables the acetaldehyde content to be reduced by 50 %, the dosing time can also be reduced significantly and said dosing can be stabilized in a significant manner.

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IPC 8 full level

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