

Title (en)

METHOD FOR PRODUCING A CONTINUOUS FIBER-REINFORCED MOLDED PART USING AN INJECTION MOLDING TOOL

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ENDLOSFASERVERSTÄRKTEN FORMTEILS UNTER VERWENDUNG EINES SPRITZGUSSWERKZEUGS

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PIÈCE MOULÉE RENFORCÉE DE FIBRES CONTINUES COMPORTANT L'UTILISATION D'UN OUTIL DE MOULAGE PAR INJECTION

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Abstract (en)

[origin: WO2011120650A1] The invention relates to a method for producing a continuous fiber-reinforced molded part (1) using an injection molding tool (10), wherein the injection molding tool (10) comprises a first and a second tool part (18, 20) defining a cavity (22) for ultimately forming the molded part (1), wherein the first tool part (18) comprises a first injection channel (24) and the second tool part (20) comprises a second injection channel (26) provided for injecting free-flowing thermoplastic plastic material (28) into the cavity (22), wherein the second tool part (20) comprises an injection device (30) and a metering chamber (32) that can be filled with free-flowing thermoplastic plastic material (28), wherein the second injection channel (26) opens into the metering chamber (32), and wherein the injection device (30) is set up for injecting free-flowing thermoplastic plastic material (28) present in the metering chamber (32) into the cavity (22) via the second injection channel (26), and wherein the method comprises steps A through I.

IPC 8 full level

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