

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

Publication

**EP 2552663 A1 20130206 (DE)**

Application

**EP 11711458 A 20110323**

Priority

- DE 102010013541 A 20100331
- EP 2011001433 W 20110323

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

**B29C 45/14** (2006.01); **B29C 45/02** (2006.01); **B29C 45/53** (2006.01); **B29C 70/48** (2006.01)

CPC (source: EP)

**B29C 45/02** (2013.01); **B29C 45/14786** (2013.01); **B29C 45/53** (2013.01); **B29C 70/48** (2013.01); **B29C 70/546** (2013.01); **B29C 45/2703** (2013.01); **B29C 2045/14877** (2013.01)

Citation (search report)

See references of WO 2011120650A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011120650 A1 20111006**; DE 102010013541 A1 20111006; EP 2552663 A1 20130206

DOCDB simple family (application)

**EP 2011001433 W 20110323**; DE 102010013541 A 20100331; EP 11711458 A 20110323