Title (en)

METHOD FOR REMOVING A PART MADE OF A MATERIAL HAVING A GLASS-TRANSITION TEMPERATURE FROM A MOLD, AND MOLDING MACHINE

Title (de)

VERFAHREN ZUR ENTFERNUNG EINES TEILS AUS EINEM MATERIAL MIT EINER GLASÜBERGANGSTEMPERATUR AUS EINER FORM UND FORMMASCHINE

Title (fr)

PROCEDE DE DEMOULAGE D'UNE PIECE EN UNE MATIERE PRESENTANT UNE TEMPERATURE DE TRANSITION VITREUSE ET MACHINE DE MOULAGE

Publication

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Application

EP 12725028 A 20120601

Priority

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Abstract (en)

[origin: WO2012168147A1] The invention relates to a method for removing a part from a mold and to a machine for molding said part, which is in particular made of a material having a glass-transition temperature and a melting temperature that is higher than the glass-transition temperature, and which is shaped in the cavity of a mold including at least two mold portions (3, 4) defining said shaping cavity (5) therebetween, wherein the mold is at a temperature between said glass-transition temperature and said melting temperature, and wherein the method comprises: opening the mold by spacing apart said mold portions (3, 4); locally spraying a cooling gas toward the part remaining in a portion of the mold using at least one nozzle (9); and, after a predetermined time period following the start of spraying the gas, ejecting the part from said portion of the mold, the time period being such that the part reaches a temperature that is lower than the glass-transition temperature thereof.

IPC 8 full level

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