

Title (en)

METHOD FOR CASTING A CAST PART FROM A METAL MELT

Title (de)

VERFAHREN ZUM GIEßEN EINES GUSSTEILS AUS EINER METALLSCHMELZE

Title (fr)

PROCÉDÉ POUR COULER UNE PIÈCE MOULÉE À PARTIR D UN MÉTAL EN FUSION

Publication

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Application

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Abstract (en)

[origin: WO2010058003A1] The invention relates to a method and a device for casting a cast part G from a metal melt M. During the method according to the invention, a casting mold F comprising a mold cavity H that shapes the cast part G, a feed system 10 and a pouring channel 13, said casting mold being mounted in a bogie, is rotated to a fill position and filled with a metal melt. As a consequence of the effect of gravity, the melt flows through the pouring channel, wherein the main flow direction of the melt makes an angle relative to the acting direction of the force of gravity. The filling is continued until the casting mold F and the pouring channel 13 are completely filled with metal melt M. Then, the casting mold F is sealed by a stopper 18 placed in the fill opening 14 of the pour channel 13, and is rotated to a solidification position in which the melt M present in the feed system 10 is pushed against the melt M present in the mold cavity H. The casting mold G is held in the solidification position until the metal melt M present in the casting mold F has reached a state of solidification in which the cast part G can be de-molded.

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