

Title (en)

METHOD FOR REMOVING A CAST PART CAST FROM A LIGHT METAL MELT FROM A CASTING MOULD

Title (de)

VERFAHREN ZUM ENTFORMEN EINES AUS LEICHTMETALLSCHMELZE GEGOSSENEN GUSSTEILS AUS EINER GIESSFORM

Title (fr)

PROCÉDÉ PERMETTANT DE DÉMOULER D'UN MOULE UNE PIÈCE MOULÉE À PARTIR D'UN MÉTAL LÉGER FONDU

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Application

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Abstract (en)

[origin: WO2015032427A1] The invention relates to a method for removing a cast part (M) cast from a light metal melt from a casting mould (1) comprising at least one casting core (2-7, 17, 18a-21b, 30) which, in the cast part (M), represents a passage opening (Z1-Z3) connecting two outer sides of the cast part and is produced from a moulding material which is bound by means of a binder which decomposes under the action of heat, wherein, for removing the cast part from the mould, the casting mould (1) is subjected to a heat treatment in a furnace (O), during which it is heated to a temperature at which the binder loses its binding action. In order to increase the efficiency of this method, the invention proposes flushing a passage (D1-D4) formed in the casting core (18a-21b), which represents the passage opening, of the casting mould (1) with hot gas (H) in the furnace (O), the temperature of said hot gas corresponding at least to the temperature at which the binder of the moulding material loses its binding action, such that the casting core (18a-21b) which represents the passage opening (Z1-Z3) decomposes to form fragments (B) or individual sand particles as a consequence of the action of the hot gas.

IPC 8 full level

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