

Title (en)
METHOD FOR PRODUCING A LOST CASTING CORE

Title (de)
VERFAHREN ZUM HERSTELLEN EINES VERLORENEN GIESSKERNS

Title (fr)
PROCÉDÉ DE FABRICATION D'UN NOYAU DE FONDERIE PERDU

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Application
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Abstract (en)
[origin: WO2020240342A1] The invention provides a method for producing a lost casting core (G) having a side face (S1, S2) in a core box (1), which is divided in a dividing plane (T) into two core-box parts (2, 3) and delimits a mould cavity (8), provided in which is an inner surface (14, 15) which replicates the side face (S1, S2) of the cast core (G) and through which the parting plane (T) passes. To avoid flash in a critical portion of the side faces (S1, S2) of the casting core (G), the following working steps are performed: (a) creating a casting-core insert (E) having a side-face portion (SF1, SF2), which is identical to a corresponding portion of the side face of the casting core (G), from a casting-core moulding material (F); (b) positioning the casting-core insert (E) in the mould cavity (8) of the core box (1) in such a way that the side-face portion (SF1, SF2) of the casting-core insert (E) is located at the place of the corresponding portion of the side face (S1, S2) of the finished casting core (G), wherein the dividing plane (T) passes through the side-face portion (SF1, SF2); (c) introducing a casting-core moulding material (F) into the mould cavity (8) of the core box (1) in order to form the remaining casting core (G), wherein the casting-core moulding material (F) that is introduced comes into contact with the casting-core insert (E); (d) solidifying the casting-core moulding material (F) to form a form-fitting and/or material-bonding connection between the casting-core moulding material (F) introduced and the casting-core insert (E).

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