

Title (en)

METHOD FOR PRODUCING IRON METAL CASTINGS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EISENMETALLGÜSSEN

Title (fr)

PROCÉDÉ DE FABRICATION DE PIÈCES COULÉES EN MÉTAL FERREUX

Publication

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Application

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Abstract (en)

[origin: WO2016034467A1] The invention relates to a method for producing iron metal castings, wherein an expendable mold (10) having a cavity (12) for holding casting material (54) is inserted into an opened multi-part permanent mold (22, 24) (step 106), the permanent mold is closed (step 106), the cavity (12) is filled with casting material (54), wherein a supporting device (14) partially protruding into the cavity is partially overcast (step 108), the expendable mold (10) is cooled in the permanent mold after the filling (steps 110, 112, 114), the permanent mold is opened during the cooling, after the liquidus temperature has been fallen below at the earliest, and the expendable mold is nondestructively removed from the permanent mold together with the casting (step 116), the expendable mold (10) is further cooled together with the solidified casting while hanging on the supporting device (14), at least until the microstructure formation of the casting is concluded (step 118), the casting is demolded by removing the expendable mold (step 120).

IPC 8 full level

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Citation (search report)

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