

Title (en)
METHOD FOR CASTING A CAST PART

Title (de)
VERFAHREN ZUM GIESSEN EINES GUSSTEILS

Title (fr)
PROCÉDÉ DE COULÉE D'UNE PIÈCE À MOULER

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Application
EP 15705479 A 20150102

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Abstract (en)
[origin: WO2015100465A1] The invention relates to a method for casting a cast part according to the tilt pouring principle, in which method molten metal (1) is poured from at least one tiltable casting vessel (2) into a casting mould (3) comprising a mould cavity (4) which forms the cast part and the molten metal (1) is ladled directly out of a bale-out furnace (5) using the casting vessel (2). A metal oxide skin (6) forms in the casting vessel (2) on the surface of the molten metal (1) and the casting vessel (2) containing the molten metal (1) and the metal oxide skin (6) floating thereon is brought up to the casting mould (3). The molten metal (1) is poured from the casting vessel (2) into the casting mould (3) by the common rotation of the casting vessel (2) and the casting mould (3) about a rotational axis (a), from an initial position into a final position, the metal oxide skin (6) rising to the top of the molten metal (1) during the pouring process, floating predominantly on top of the molten metal (1) and substantially remaining on the surface of the molten metal (1).

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Citation (opposition)
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