

Title (en)

METHOD FOR PRODUCING CASTINGS FROM A METAL MELT BY MEANS OF CASTING

Title (de)

VERFAHREN ZUM GIESSTECHNISCHEN ERZEUGEN VON GUSSTEILEN AUS EINER METALLSCHMELZE

Title (fr)

PROCÉDÉ DE GÉNÉRATION, PAR UNE TECHNIQUE DE COULÉE, DE PIÈCES À PARTIR DE MÉTAL EN FUSION

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Application

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Abstract (en)

[origin: WO2015082489A1] The invention relates to a method for producing castings, wherein a casting mold (5) is pivoted about a horizontal pivot axis (HS) in a casting machine (G). The casting mold (5) has a lid (9), which has a fill opening (13), and a covering side wall (7). A main plane (HE) extending axially parallel to the pivot axis (HS) is placed in the covering side wall (7). A tundish (15) is docked onto the casting mold (5) and the casting mold (5) is then pivoted into a pouring-in position, in which the main plane (HE) of the covering side wall (7) includes an angle β_1 that is less than 180° with the bath level (BS) of a metal melt portion (S) to be poured into the tundish (15) and the bath level (BS) of the metal melt portion (S) is located below the fill opening (13) of the casting mold (5). The tundish (15) filled with a metal melt portion (S) is pivoted together with the casting mold about the pivot axis (HS) such that metal melt (S) flows into the casting mold (5). The angle β_1 included between the main plane (HE) of the covering side wall (7) and the bath level (BS) of the metal melt portion (S) in the tundish (15) is constantly $< 180^\circ$ until the melt hits the bottom (6) of the casting mold (5).

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