

Title (en)

SEQUENTIAL CASTING METHOD FOR THE PRODUCTION OF A HIGH-PURITY CAST METAL BILLET

Title (de)

SEQUENZGIESSVERFAHREN ZUR HERSTELLUNG EINES GEGOSSENEN METALLSTRANGES HOHER REINHEIT

Title (fr)

PROCEDE DE COULEE SEQUENTIELLE POUR PRODUIRE UN BOYAU DE COULEE METALLIQUE DE PURETE ELEVEE

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Application

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Abstract (en)

[origin: WO2005053877A2] The invention relates to a sequential casting method for the production of a high-purity cast metal billet from a metal melt, wherein the metal melt is supplied from a melt container in a controlled manner to a distributor vessel and is then supplied from said distributor vessel in a controlled manner into a continuous casting ingot mold without any interruption. According to the invention, in order to cast a qualitatively high-value metal billet even when the melt vessel is changed and to ensure that the restart phase is kept as short as possible, the flow rate into the distributor vessel is greater than the outflow rate from the distributor vessel during a period of time ranging from the resumption of the supply of the metal melt to the distributor vessel until a quasi-stationary operating bath level height is obtained in the distributor vessel, wherein during 70 % - 100 % of said time period, the inflow rate into the distributor vessel is less than or equal to twice the outflow rate from the distributor vessel.

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