Title (en)

METHOD FOR REGULATING THE HEIGHT OF THE CASTING LEVEL IN A MOLD OF A CONTINUOUS CASTING INSTALLATION

Title (de)

VERFAHREN ZUM REGELN DER HÖHE DES GIESSSPIEGELS IN EINER KOKILLE EINER STRANGGIESSANLAGE

Title (fr)

PROCÉDÉ DE RÉGLAGE DE LA HAUTEUR DE LA SURFACE DU BAIN DANS UNE COQUILLE D'UNE INSTALLATION DE COULÉE CONTINUE

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Abstract (en)

[origin: WO2012168005A1] The invention relates to a method for regulating the height (h) of the casting level (1) in a mold (2) of a continuous casting installation (3), wherein liquid metal (4) flows into the mold (2), wherein the outflow of liquid metal (4) into the mold (2) can be controlled by a control element (8), the volume flow of liquid metal (4) flowing into the mold (2) being measured by a flow sensor (9), the volume flow being regulated in a first regulating circuit on the basis of a nominal value, the height (h) of the casting level (1) being regulated in a second regulating circuit on the basis of a nominal value or a nominal range (hsoll). According to the invention, a second controller (11) provides the first regulating circuit with a nominal value regarding the volume flow, wherein the determination of the actual height (hist) of the casting level (1) is carried out while taking into account a standing wave on the casting level (1) preferably by means of a number of optical waveguides (12). In this way, the height of the casting level can be kept constant in the mold in an improved manner.

IPC 8 full level

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