

Title (en)  
METHOD AND DEVICE FOR CONTROLLING THE TEMPERATURE OF STEEL FROM THE SURFACE OF THE BATH OF A CONTINUOUS CASTING INSTALLATION UP TO THE FURNACE TAP

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR KONTROLLE DER STAHLTEMPERATUR VOM GIESSSPIEGEL EINER STRANGGIESSANLAGE BIS ZUM OFENABSTICH

Title (fr)  
PROCEDE ET DISPOSITIF POUR CONTROLER LA TEMPERATURE DE L'ACIER A LA SURFACE DU BAIN D'UNE INSTALLATION DE COULEE CONTINUE JUSQU'A LA PERCEE DE FOUR

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Application  
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Abstract (en)  
[origin: WO0236292A2] The invention relates to a method, which is used in the area of secondary metallurgy (4) in its entirety with a final temperature-determining process step (4.1) such as a ladle furnace, for controlling the temperature of steel from the surface of the bath of a continuous casting ingot mold (1) up to the furnace tap (5) of a steel producing process. According to the invention, the temperature of the steel in the surface of the bath is controlled based on the equation  $T_{>ML} < T_{>LI} + X \text{ DEG C}$  ( $X = 5 - 15 \text{ DEG C}$ ) and while respecting the same such that a jump in temperature (9) between the surface of the bath in the ingot mold (1) and a distributor (3) is detected according to the pouring rate (6) for a predetermined billet size. In addition, the ladle history (7) with regard to the time intervals, such as ladle full, ladle empty and ladle state, such as ladle bricking up and ladle age is detected as well as a jump in the temperature of steel between the distributor (3) and the last ladle furnace temperature (LF-ex).

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