

Title (en)
METHOD AND DEVICE FOR DETERMINING THE POSITION OF THE SOLIDIFICATION POINT IN A CASTING BILLET DURING CONTINUOUS CASTING OF LIQUID METALS, IN PARTICULAR LIQUID STEEL WORK MATERIALS

Title (de)
VERFAHREN UND EINRICHTUNG ZUM BESTIMMEN DER LAGE DER SUMPFPSPITZE IM GIESSSTRANG BEIM STRANGGIESSEN VON FLÜSSIGEN METALLEN, INSBESONDERE VON FLÜSSIGEN STAHLWERKSTOFFEN

Title (fr)
PROCEDE ET DISPOSITIF POUR DETERMINER LA POSITION DE L'EXTREMITE DU CRATERE LIQUIDE DANS LA BARRE DE COULEE LORS DE LA COULEE CONTINUE DE METAUX LIQUIDES, NOTAMMENT DE MATERIAUX D'ACIER LIQUIDES

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Application
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Abstract (en)
[origin: CA2552890A1] The invention relates to a method and to a device which are used to determine the position of the solidification point (1a) in a casting billet (1) during continuous casting of liquid metals, in particular steel work materials. In order to obtain precise results, an indirect measurement of the core volume of liquid per unit of length or an indirect measurement of process parameters, which are to be adjusted by means of force signals and/or path signals (10), are carried out on fixed or adjustable pairs of support rollers (7a) over the entire length of the billet, and a model calculation (15), based on said measuring values, is produced for the momentary position of the solidification point (1a), whereon the changeable casting parameters are adapted in a continuous manner.

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