

Title (en)
METHOD AND DEVICE FOR CONTINUOUS CASTING AND SUBSEQUENT FORMING OF A STEEL BILLET, ESPECIALLY A BILLET IN THE FORM OF AN INGOT OR A PRELIMINARY SECTION

Title (de)
VERFAHREN UND VORRICHTUNG ZUM STRANGGIESSEN UND ANSCHLIESSENDEM VERFORMEN EINES GIESSSTRANGES AUS STAHL, INSBESONDERE EINES GIESSSTRANGES MIT BLOCKFORMAT ODER VORPROFIL-FORMAT

Title (fr)
PROCEDE ET DISPOSITIF DE COULEE EN CONTINU ET DE FORMAGE SUBSEQUENT D'UNE BARRE DE COULEE EN ACIER, EN PARTICULIER D'UNE BARRE DE COULEE SOUS FORME DE LINGOT OU PREPROFILLEE

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Application
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Abstract (en)
[origin: US2004020633A1] A method and device for continuous casting and subsequent deformation of a cast strand (1) of steel, especially a cast strand (1) of an ingot shape (2) or a preliminary section shape, in which the secondary cooling (4) and the strand support (11) are matched to the cooling state of the cast strand cross section (1a) with respect to steel quality and in which the segregations and porosity are of significance with respect to further processing and the end uses of the product and require steps for improvement of the 10 internal quality and for the surface qualities, in which the secondary cooling (4) in its geometrical configuration is analogously matched to the solidification profile (5) of the cast strand (1) along the respective distance travelled (6) of the cast strand and in which the cast strand support (11) likewise is analogously reduced in dependence upon the solidification profile (5) of the cast strand (1) of the distance/travelled (6).

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