

Title (en)
METHOD AND ROLL SEGMENT FOR DETERMINING CORE SOLIDIFICATION AND/OR THE LIQUID CRATER TIP IN THE CONTINUOUS CASTING OF METALS, PARTICULARLY STEEL MATERIALS

Title (de)
VERFAHREN UND ROLLESEGMENT ZUM BESTIMMEN DER KERNERSTARRUNG UND/ODER DER SUMPFS PITZE BEIM STRANGGIESSEN VON METALLEN, INSBESONDERE VON STAHLWERKSTOFFEN

Title (fr)
PROCEDE ET SEGMENT DE ROULEAUX POUR DETERMINER LA SOLIDIFICATION A COEUR ET/OU L'EXTREMITÉ DU CRATERE LIQUIDE LORS DE LA COULEE CONTINUE DE METAUX, NOTAMMENT DE MATERIAUX A BASE D'ACIER

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Application
EP 05790096 A 20050929

Priority
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Abstract (en)
[origin: WO2006037555A1] A method and roll segment (1) for determining core solidification and/or the liquid crater tip in the continuous casting of metals, particularly steel materials, inside a roll segment (1) of a support roller gantry (2), wherein the upper frame (3) thereof supporting the upper rollers (4) can be drivingly adjusted via hydraulic piston-cylinder units (6), which are arranged in the corners (5a-5d) of a polygon, counter to the lower rollers (8) of a lower frame (7), according to the thickness of the billet, working in a more accurate manner, using an independent pair (14) of piston-cylinder units (6) with an external or internal measuring device (13a,13) in order to adjust a rotationally driven, individual upper roller (4), taking into account the measuring values for positional adjustment or force adjustment in order to determine the position of core solidification and/or the liquid crater tip in the cast billet.

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