

Title (en)
DYNAMIC CASTING SPEED CONTROL METHOD FOR A SKINNING OVER CYCLE FOLLOWING STICKING IN A CONTINUOUS STEEL CASTING PROCESS.

Title (de)
DYNAMISCHE KONTROLLE DER ABZUGSGESCHWINDIGKEIT NACH DEM ANHAFTEN DES STRANGES BEIM STRANGGIESSEN.

Title (fr)
PROCEDE DE CONTROLE DYNAMIQUE DE LA VITESSE D'EXTRACTION LORS D'UN CYCLE DE CICATRISATION APRES COLLAGE, DANS UN PROCESSUS DE COULEE CONTINUE D'ACIER.

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Application
EP 92908866 A 19920330

Priority
• FR 9104356 A 19910410
• FR 9200286 W 19920330

Abstract (en)
[origin: WO9218273A1] When skin sticking is detected in an ingot mould, the casting speed undergoes a cycle consisting of a deceleration ramp from the normal production speed to a reduced speed, a skinning over plateau and an acceleration ramp from the reduced speed back up to the normal production speed, whereafter the ferritic potential (PF) of the cast steel is determined, the slopes (D, A) of one of the two ramps are determined according to said ferritic potential, and the length (tr?) of the skinning over plateau is determined according to the difference between the liquidus and solidus temperatures of the cast steel.

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B22D 11/20

IPC 8 full level
B22D 11/20 (2006.01)

CPC (source: EP US)
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Citation (examination)
LIGHT METALS, A PUBLICATION OF THE METALLURGICAL SOCIETY OF AIME 1985, pages 1285-1299; S.J. BERCOVICI: 'Optimisation of 3C roll caster by automatic control' see page 1293, lines 30-45

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