

Title (en)
METHOD AND APPARATUS FOR CONTROLLING STANDING SURFACE WAVE AND TURBULENCE IN CONTINUOUS CASTING VESSEL

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG VON STEHENDEN OBERFLÄCHENWELLEN UND OBERFLÄCHENTURBULENZEN IN EINEM STRANGGUSSBEHÄLTER

Title (fr)
PROCEDE ET DISPOSITIF POUR LE CONTROLE D'ONDE DE SURFACE STATIONNAIRE ET DE TURBULENCE DANS UNE CUVE DE MOULAGE EN CONTINU

Publication
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Application
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Abstract (en)
[origin: WO0234434A1] The apparatus of the present invention includes a molten metal vessel system for casting molten metal, the system comprising: (a) a vessel (1) containing molten metal (2) adapted to contain and dispense the molten metal (2) for casting, the vessel (1) having interior surfaces (8) and the molten metal forming an upper surface (9); (b) a submerged entry nozzle (3) exiting below the upper surface (9); and (c) a surface and/or a submerged flow modifier member (7, 11) disposed between at least one of the interior surfaces (8) and the submerged entry nozzle(3). The surface and/or submerged flow modifiers (7, 11) work to impede the formation of waves in the upper surface (9) of the molten metal (2). The present invention also includes a method for improving the quality of a continuous casting process.

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Citation (search report)

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