

Title (en)

ROBUST CONTROL METHOD OF MELT LEVEL IN THE TWIN ROLL STRIP CASTER

Title (de)

ROBUSTES STEUERVERFAHREN DER SCHMELZENHÖHE BEI EINER DOPPELROLLENSTRANGGIESSVORRICHTUNG

Title (fr)

PROCEDE DE COMMANDE ROBUSTE DU NIVEAU DE MATIERE FONDUE DANS UNE MACHINE DE COULEE DE BANDES A DEUX ROULEAUX

Publication

**EP 1838477 A4 20090225 (EN)**

Application

**EP 05821838 A 20051226**

Priority

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- KR 20040113652 A 20041228

Abstract (en)

[origin: WO2006071039A1] The present invention provides a robust control method for maintaining a melt level at a constant value in a mold in a twin roll strip casting process. In the twin roll strip casting process, whether using a stopper system (3), which is provided in a tundish (2) to supply melt into the mold, or using a camera system, which measures the melt level in the mold, the robust control method of the present invention controls the melt level both using an advanced controller, which controls, at an initial stage of the casting process or when a disturbance arises, the target value of the melt level such that the target level corresponds to the performance characteristics of the melt level control system, and using a feedback controller, which maintains the melt level at a constant value under normal casting conditions.

IPC 8 full level

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Citation (search report)

- [DXX] US 5988258 A 19991123 - BLEJDE WALTER [AU], et al
- [XDX] JP 2000326056 A 20001128 - NIPPON STEEL CORP
- See references of WO 2006071039A1

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DOCDB simple family (application)

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