Title (en)

STRIP EDGE SHAPE CONTROL APPARATUS AND METHOD IN STRIP CASTING PROCESS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BANDKANTENFORMKONTROLLE IN EINEM BANDGIESSVERFAHREN

Title (fr)

APPAREIL ET PROCÉDÉ PERMETTANT DE RÉGULER LA FORME DE LA RIVE D'UNE BANDE LORS D'UN PROCESSUS DE COULÉE EN BANDE MINCE

Publication

EP 2193000 A4 20150128 (EN)

Application

EP 08833282 A 20080925

Priority

- KR 2008005697 W 20080925
- KR 20070097701 A 20070928

Abstract (en)

[origin: WO2009041777A2] Disclosed herein are an apparatus and method for controlling the edge shape of a strip in a twin-roll strip casting process, which improve the quality of the strip by using cameras to photograph the edge portions of the strip being cast by strip casting, analyzing the photographs, and then controlling edge dams according to the edge shape of the strip. The apparatus comprises: an edge dam driving unit which is attached to edge dams attached to both sides of casting rolls so as to control the pressing force of the edge dams against the casting rolls and the upward shift of the edge dams according to the wear and upward shift rate of the edge dams; cameras which are disposed at the strip outlet side of the casting rolls so as to photograph the edge portions of the strip; and a control unit which analyzes the edge shape of the strip from images photographed by the cameras and outputs a signal controlling the wear and upward shift of the edge dams.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [XI] KR 20030017110 A 20030303 - POSCO [KR], et al
- See references of WO 2009041777A2

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