

Title (en)
PROCESS FOR PRODUCING A CAST STRIP WITH MATERIAL PROPERTIES WHICH ARE ADJUSTABLE OVER THE STRIP CROSS SECTION

Title (de)
VERFAHREN ZUM ERZEUGEN EINES GEGOSSENEN BANDES MIT ÜBER DEN BANDQUERSCHNITT UND DIE BANDLÄNGE
EINSTELLBAREN WERKSTOFFEIGENSCHAFTEN

Title (fr)
PROCÉDÉ POUR PRODUIRE UN FEUILLARD COULÉ PRÉSENTANT DES PROPRIÉTÉS DE MATÉRIAU AJUSTABLES SUR LA SECTION
TRANSVERSALE ET SUR LA LONGUEUR DU FEUILLARD

Publication
EP 2670544 A2 20131211 (DE)

Application
EP 12724542 A 20120106

Priority
• DE 102011010040 A 20110202
• DE 2012000038 W 20120106

Abstract (en)
[origin: WO2012103862A2] The invention relates to a process for producing a cast strip of steel with material properties which are adjustable over the strip cross section and the strip length, wherein a steel melt is charged via a melting vessel onto a circulating casting belt of a horizontal strip casting installation, is solidified to form a roughed strip and is optionally then subjected to a hot-rolling operation. Furthermore, the invention relates to a device for the horizontal strip casting of steel and to a hot strip. In this case, before the melt is charged onto the casting belt, a coating composition consisting of a carrier liquid with additives incorporated therein is applied to that side of the casting belt which comes into contact with the melt, and, before the melt is charged, said coating composition is dried and is then integrally combined with the charged melt.

IPC 8 full level
B22D 11/00 (2006.01); **B22D 11/06** (2006.01)

CPC (source: EP KR US)
B21B 1/46 (2013.01 - KR); **B22D 11/00** (2013.01 - KR); **B22D 11/007** (2013.01 - EP US); **B22D 11/06** (2013.01 - KR);
B22D 11/0631 (2013.01 - EP US); **B22D 11/07** (2013.01 - US)

Citation (search report)
See references of WO 2012103862A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102011010040 B3 20120802; EP 2670544 A2 20131211; KR 101794783 B1 20171107; KR 20140010941 A 20140127;
RU 2013140435 A 20150310; RU 2593044 C2 20160727; US 2014367066 A1 20141218; US 9393615 B2 20160719;
WO 2012103862 A2 20120809; WO 2012103862 A3 20121011

DOCDB simple family (application)
DE 102011010040 A 20110202; DE 2012000038 W 20120106; EP 12724542 A 20120106; KR 20137020237 A 20120106;
RU 2013140435 A 20120106; US 201213983232 A 20120106