

Title (en)

METHOD AND SECTION FOR COOLING A MOVING METAL BELT BY SPRAYING LIQUID

Title (de)

VERFAHREN UND ABSCHNITT ZUR KÜHLUNG EINES BEWEGLICHEN METALLBANDES MITTELS AUFSPRÜHEN EINER FLÜSSIGKEIT

Title (fr)

PROCÉDÉ ET SECTION DE REFROIDISSEMENT D'UNE BANDE MÉTALLIQUE EN DÉFILEMENT PAR PROJECTION D'UN LIQUIDE

Publication

EP 2376662 B1 20210428 (FR)

Application

EP 10702917 A 20100107

Priority

- IB 2010050049 W 20100107
- FR 0900077 A 20090109

Abstract (en)

[origin: WO2010079452A1] The invention relates to a method for monitoring the cooling of a moving metal belt (B) in a cooling section of a continuous processing line by spraying a liquid or a mixture consisting of a gas and a liquid onto the belt, the cooling depending on parameters including the temperature, speed, and current characteristics of a cooling fluid, wherein according to said method: one or more areas are determined in which cooling parameters are such that the local removal of a vapor film on the surface of the hot belt is carried out or capable being carried out, leading to the redampening of the belt; and at least the temperature of the cooling liquid is adjusted as a cooling parameter in the thus-determined area(s) so as to maintain, or return to, a cooling into a vapor film on the surface of the belt, thus resulting in the overheating of the cooling liquid contacting the hot belt.

IPC 8 full level

C21D 1/667 (2006.01); **C21D 9/56** (2006.01); **C21D 9/573** (2006.01); **C21D 11/00** (2006.01)

CPC (source: EP US)

C21D 1/667 (2013.01 - EP US); **C21D 9/56** (2013.01 - EP US); **C21D 9/573** (2013.01 - EP US); **C21D 11/005** (2013.01 - EP US)

Citation (examination)

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- JP 2000317513 A 20001121 - SUMITOMO METAL IND
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Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

WO 2010079452 A1 20100715; BR PI1006107 A2 20200818; BR PI1006107 B1 20210223; CN 102272338 A 20111207; CN 102272338 B 20140903; EP 2376662 A1 20111019; EP 2376662 B1 20210428; ES 2881292 T3 20211129; FR 2940978 A1 20100716; FR 2940978 B1 20111111; JP 2012514694 A 20120628; JP 2015083719 A 20150430; KR 20110114624 A 20111019; PL 2376662 T3 20211108; PT 2376662 T 20210726; RU 2011133250 A 20130220; RU 2541233 C2 20150210; US 2011270433 A1 20111103; US 8918199 B2 20141223

DOCDB simple family (application)

IB 2010050049 W 20100107; BR PI1006107 A 20100107; CN 201080004262 A 20100107; EP 10702917 A 20100107; ES 10702917 T 20100107; FR 0900077 A 20090109; JP 2011544956 A 20100107; JP 2014246619 A 20141205; KR 20117018446 A 20100107; PL 10702917 T 20100107; PT 10702917 T 20100107; RU 2011133250 A 20100107; US 201013143007 A 20100107