

Title (en)

Method and device for continuous treatment of a metal strip

Title (de)

Vorrichtung und Verfahren zur kontinuierlichen Behandlung eines Metallbandes

Title (fr)

Dispositif et procédé destinés au traitement continu d'une bande métallique

Publication

EP 2722112 B1 20150624 (DE)

Application

EP 13183368 A 20130906

Priority

DE 102012110010 A 20121019

Abstract (en)

[origin: EP2722112A1] The apparatus has a heat-treatment device (2) which is provided to pass a metal strip (1) without contacting with the metal strip. A strip centering device (7) is provided to adjust the position of the metal strip in a strip-travel plane to transverse to a strip-travel direction. An upstream inlet end of the heat-treatment device is provided with a heating zone (3) while a downstream outlet end is provided with a cooling zone (4). The strip centering device is arranged within the cooling zone. An independent claim is included for a method for continuously treating metal strip.

IPC 8 full level

C21D 9/56 (2006.01); **B21B 39/00** (2006.01); **C21D 9/54** (2006.01); **C21D 9/63** (2006.01); **C21D 11/00** (2006.01)

CPC (source: EP KR US)

C21D 9/46 (2013.01 - EP US); **C21D 9/54** (2013.01 - US); **C21D 9/56** (2013.01 - EP KR US); **C21D 9/563** (2013.01 - EP US); **C21D 9/564** (2013.01 - EP US); **C21D 9/573** (2013.01 - KR); **C21D 9/63** (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US)

Citation (opposition)

Opponent : EBNER Industrieofenbau GmbH

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- EP 0068272 A1 19830105 - DAIDO STEEL CO LTD [JP]
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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)

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DOCDB simple family (application)

EP 13183368 A 20130906; CA 2829532 A 20131008; CN 201310489275 A 20131018; DE 102012110010 A 20121019; ES 13183368 T 20130906; HU E13183368 A 20130906; KR 20130123296 A 20131016; PL 13183368 T 20130906; RU 2013146678 A 20131018; US 201314056372 A 20131017