

Title (en)

DEVICE AND METHOD FOR CONTINUOUS TREATMENT OF A METAL STRIP

Title (de)

VORRICHTUNG UND VERFAHREN ZUR KONTINUIERLICHEN BEHANDLUNG EINES METALLBANDES

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRAITEMENT EN CONTINU D'UNE BANDE MÉTALLIQUE

Publication

**EP 3234204 B1 20181107 (DE)**

Application

**EP 15762579 A 20150909**

Priority

- DE 102014118946 A 20141218
- EP 2015070615 W 20150909

Abstract (en)

[origin: CA2967082A1] The invention relates to a device for continuous treatment of a metal strip (1), in particular a metal strip consisting of aluminum or an aluminum alloy, or consisting of a non-ferrous metal or a non-ferrous metal alloy, said device comprising at least one temperature control device (2) through which the metal strip (1) is guided in a floating manner, and comprising at least one strip position regulation unit (7), by means of which the position of the metal strip (1) can be controlled or regulated on the belt movement plane (E) and transversely to the strip running direction (B), wherein the temperature control device (2) has at least one entry-side heating section (3) and an exit-side cooling section (4). The invention is characterised in that the strip position regulation unit (7) that works in a contactless manner has at least one contactless strip position detection element (12) and at least one linear motor (13) and is arranged within the heating section (3) or between the heating section (3) and the cooling section (4).

IPC 8 full level

**C21D 9/63** (2006.01); **C21D 11/00** (2006.01); **F27B 9/24** (2006.01); **F27B 9/40** (2006.01)

CPC (source: CN EP US)

**C21D 9/63** (2013.01 - CN EP US); **C21D 11/00** (2013.01 - CN EP US); **F27B 9/2476** (2013.01 - CN EP US); **F27B 9/40** (2013.01 - CN EP US)

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 102014118946 A1 20160623**; **DE 102014118946 B4 20181220**; CA 2967082 A1 20160623; CA 2967082 C 20191001; CN 107075605 A 20170818; CN 107075605 B 20190308; EP 3234204 A1 20171025; EP 3234204 B1 20181107; ES 2705274 T3 20190322; HU E042584 T2 20190729; PL 3234204 T3 20190628; TR 201819360 T4 20190121; US 10472699 B2 20191112; US 2017321298 A1 20171109; WO 2016096173 A1 20160623

DOCDB simple family (application)

**DE 102014118946 A 20141218**; CA 2967082 A 20150909; CN 201580060925 A 20150909; EP 15762579 A 20150909; EP 2015070615 W 20150909; ES 15762579 T 20150909; HU E15762579 A 20150909; PL 15762579 T 20150909; TR 201819360 T 20150909; US 201515513512 A 20150909