

Title (en)

DEVICE FOR MAINTAINING THE DRYNESS OF THE ATMOSPHERE OF AN ANNEALING FURNACE FOR METAL STRIPS, AND FURNACE PROVIDED WITH SAID DEVICE

Title (de)

VORRICHTUNG ZUR BEWAHRUNG DER TROCKENHEIT DER ATMOSPHERE EINES GLÜHOFENS FÜR METALLSTREIFEN UND OFEN MIT EINER DERARTIGEN VORRICHTUNG

Title (fr)

DISPOSITIF POUR MAINTENIR SECHE L'ATMOSPHERE D'UN FOUR DE RECUIT POUR BANDE METALLIQUE, ET FOUR EQUIPE DE CE DISPOSITIF.

Publication

**EP 2507400 B1 20140108 (FR)**

Application

**EP 10790876 A 20101125**

Priority

- FR 0905751 A 20091130
- IB 2010055422 W 20101125

Abstract (en)

[origin: WO2011064732A1] The invention relates to a device for maintaining the dryness of the atmosphere of an annealing furnace (1) for a metal strip (2) including, before the entrance of the furnace, a means (M) suitable for reducing the presence of water on the strip (2) prior to the insertion thereof in the annealing furnace (1); the means (M) including at least one gas cutter (D) per strip surface, supplied with a dry gas having a dew point of -40 °C to -70 °C, and producing a gas jet which impacts the surface of the strip across the entire width thereof in order to release the moisture found on the surface of the strip.

IPC 8 full level

**C21D 9/56** (2006.01); **F27D 99/00** (2010.01)

CPC (source: EP)

**C21D 9/565** (2013.01); **F27D 99/0075** (2013.01)

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)

**FR 2953221 A1 20110603; FR 2953221 B1 20130614; EP 2507400 A1 20121010; EP 2507400 B1 20140108; WO 2011064732 A1 20110603**

DOCDB simple family (application)

**FR 0905751 A 20091130; EP 10790876 A 20101125; IB 2010055422 W 20101125**