

Title (en)

DEVICE FOR COATING A METAL STRIP AND METHOD THEREFOR

Title (de)

VORRICHTUNG ZUM BESCHICHTEN EINES METALLISCHEN BANDES UND VERFAHREN HIERFÜR

Title (fr)

DISPOSITIF DE REVÊTEMENT D'UN RUBAN MÉTALLIQUE ET PROCÉDÉ CORRESPONDANT

Publication

EP 2496728 B1 20180103 (DE)

Application

EP 10774210 A 20101104

Priority

- DE 102009051932 A 20091104
- EP 2010066810 W 20101104

Abstract (en)

[origin: CA2794925A1] The invention relates to a device for coating a metal strip (1) with a coating material, comprising a coating container (2) filled with a liquid coating material, through which or out of which the coated strip (1) is guided vertically (V) upward, wherein a stripping nozzle (3) for stripping still liquid coating material from the strip surface is arranged above the coating container (2), wherein an electromagnetic apparatus (4) for stabilizing the position of the strip (1) in a central position (5) is arranged above the stripping nozzle (3), wherein the apparatus (4) comprises two magnets (6) arranged on both sides of the metal strip (1) at the same height. In order to be able to respond in an improved and simplified manner to different requirements with respect to the strip guidance, the invention is characterized by means (7) for adjusting the vertical distance (H) of the magnets (6) from the stripping nozzle (3). The invention further relates to a method for coating a metal strip.

IPC 8 full level

C23C 2/00 (2006.01)

CPC (source: EP KR US)

C23C 2/00344 (2022.08 - EP KR US); **C23C 2/022** (2022.08 - KR); **C23C 2/40** (2013.01 - KR); **C23C 2/524** (2022.08 - EP KR 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 102009051932 A1 20110505; CA 2794925 A1 20110512; CA 2794925 C 20140819; CN 102597295 A 20120718; CN 102597295 B 20150422; EP 2496728 A1 20120912; EP 2496728 B1 20180103; ES 2660746 T3 20180326; HU E038462 T2 20181029; JP 2013510236 A 20130321; JP 5663763 B2 20150204; KR 101421981 B1 20140813; KR 20120063550 A 20120615; PL 2496728 T3 20180629; TR 201802499 T4 20180321; WO 2011054902 A1 20110512

DOCDB simple family (application)

DE 102009051932 A 20091104; CA 2794925 A 20101104; CN 201080050673 A 20101104; EP 10774210 A 20101104; EP 2010066810 W 20101104; ES 10774210 T 20101104; HU E10774210 A 20101104; JP 2012537399 A 20101104; KR 20127011678 A 20101104; PL 10774210 T 20101104; TR 201802499 T 20101104