

Title (en)

COATING WEIGHT CONTROL APPARATUS AND COATING WEIGHT CONTROL METHOD

Title (de)

BESCHICHTUNGSGEWICHTSKONTROLLVORRICHTUNG UND BESCHICHTUNGSGEWICHTSKONTROLLVERFAHREN

Title (fr)

APPAREIL DE COMMANDE DE POIDS DE REVÊTEMENT ET PROCÉDÉ DE COMMANDE DE POIDS DE REVÊTEMENT

Publication

EP 3168322 A1 20170517 (EN)

Application

EP 16195854 A 20161026

Priority

JP 2015220682 A 20151110

Abstract (en)

[Task] There is a problem in that a nozzle pressure control is performed with high accuracy in a coating weight control requiring nozzle opening and closing near a welding point 411. [Solving means] A tracking unit 102 which determines whether or not it is the stable condition, by determining whether or not a coating weight acquired from a steel coating plant 2 is a coating weight based on a current nozzle pressure, a nozzle gap, and a strip speed, based on positional information of a strip 401 based on a movement distance of the strip 401, a preset control unit 101 which calculates a preset value for controlling the nozzle 211 based on a stable coating weight, a stable strip speed, and a stable nozzle gap at a timing of determining whether or not it is the stable condition, and an addition output unit 106 which outputs a control signal of the nozzle 211 based on the preset value, are included.

IPC 8 full level

C23C 2/20 (2006.01)

CPC (source: CN EP)

C23C 2/20 (2013.01 - EP); **C25D 7/0692** (2013.01 - CN); **C25D 21/12** (2013.01 - CN)

Citation (applicant)

JP 2004013393 A 20040115 - HITACHI LTD

Citation (search report)

- [X] US 2008026134 A1 20080131 - KAYAMA MASAHIRO [JP]
- [AD] JP 2004013393 A 20040115 - HITACHI LTD
- [A] JP H1018014 A 19980120 - HITACHI LTD, et al
- [A] JP 2009275266 A 20091126 - HITACHI LTD

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3168322 A1 20170517; **EP 3168322 B1 20231206**; CN 106676600 A 20170517; CN 106676600 B 20190528; JP 2017088960 A 20170525; JP 6471081 B2 20190213

DOCDB simple family (application)

EP 16195854 A 20161026; CN 201611033749 A 20161103; JP 2015220682 A 20151110