

Title (en)

PRODUCTION APPARATUS AND PRODUCTION METHOD FOR MOLTEN METAL PLATED STEEL STRIP

Title (de)

HERSTELLUNGSVORRICHTUNG UND HERSTELLUNGSVERFAHREN FÜR PLATTIERTEN STAHLSTREIFEN AUS GESCHMOLZENEM METALL

Title (fr)

APPAREIL DE PRODUCTION ET PROCÉDÉ DE PRODUCTION DE BANDE D'ACIER PLAQUÉE DE MÉTAL EN FUSION

Publication

EP 3287541 A1 20180228 (EN)

Application

EP 16782783 A 20160413

Priority

- JP 2015086079 A 20150420
- JP 2016002007 W 20160413

Abstract (en)

An apparatus for producing a hot-dip metal coated steel strip by which a hot-dip metal coated steel strip of high quality can be stably produced by preventing coated surface defects caused by splashing or top dross even in the case where operation conditions vary is provided. An apparatus 100 for producing a hot-dip metal coated steel strip includes: a pair of gas wiping nozzles 20A and 20B that adjust a coating weight on both surfaces of a steel strip P; a gas supply mechanism 22; a gas temperature adjusting mechanism 24; a baffle plate 26 located near a transverse edge of the steel strip P and in a plane extended from the steel strip; a temperature sensor 28 located on at least one surface of the baffle plate 26; and a controller 30 that controls the gas temperature adjusting mechanism 24 based on an output of the temperature sensor 28.

IPC 8 full level

C23C 2/20 (2006.01); **C23C 2/00** (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP US)

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Cited by

CN112481573A; AU2019323956B2; US11802329B2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3287541 A1 20180228; **EP 3287541 A4 20180404**; **EP 3287541 B1 20190724**; AU 2016252193 A1 20171026; AU 2016252193 B2 20181018; CN 107532271 A 20180102; CN 107532271 B 20200922; JP 2016204694 A 20161208; JP 6044669 B2 20161214; MX 2017013462 A 20171207; WO 2016170757 A1 20161027

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