

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 B1 20190724 (EN)**

Application

**EP 16782783 A 20160413**

Priority

- JP 2015086079 A 20150420
- JP 2016002007 W 20160413

Abstract (en)

[origin: EP3287541A1] 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)

**C23C 2/00** (2013.01 - EP US); **C23C 2/003** (2013.01 - EP); **C23C 2/18** (2013.01 - EP); **C23C 2/20** (2013.01 - EP); **C23C 2/40** (2013.01 - EP); **C23C 2/51** (2022.08 - EP US); **C23C 2/52** (2022.08 - EP US)

Cited by

CN112481573A; AU2019323956B2; US11802329B2

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