

Title (en)
GAS WIPING DEVICE

Title (de)
GASNITRIERUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ESSUYAGE AU GAZ

Publication
EP 2708616 A4 20141112 (EN)

Application
EP 12782900 A 20120507

Priority
• JP 2011104089 A 20110509
• JP 2012054183 A 20120312
• JP 2012061644 W 20120507

Abstract (en)
[origin: EP2708616A1] Provided is a gas wiping device having a gas wiping nozzle for adjusting the amount of molten metal for plating that becomes attached to a surface of a steel strip, by spraying a gas onto the surface, the gas wiping device having an excellent effect of suppressing overcoating or splashing at width-direction edges of the steel strip. A gas wiping nozzle 1 is provided with: a slit 1a' extending along a width direction of a steel strip K for blowing a gas out of a hollow; and gas introducing openings 1e for introducing the gas into the hollow. The slit 1a' is provided with slidable left and right blocking members 2, 2 for blocking left and right areas of the slit, with a gas outlet 1a formed between the blocking members 2, 2. In the hollow, left and right rectification pieces 1c, 1c are disposed, extending from gas outlet side ends 2a, 2a of the respective left and right blocking members 2, 2 toward a partition wall 1d. Between the left and right rectification pieces 1c, 1c, a gas flow passageway GR is formed. The gas outlet 1a and the gas flow passageway GR have the same width.

IPC 8 full level
C23C 2/20 (2006.01); **C23C 2/40** (2006.01)

CPC (source: EP KR)
C23C 2/16 (2013.01 - KR); **C23C 2/18** (2013.01 - EP); **C23C 2/20** (2013.01 - EP); **C23C 2/40** (2013.01 - EP KR)

Citation (search report)
• [XII] JP 2006274381 A 20061012 - NIPPON STEEL CORP
• [IDA] JP 2007284732 A 20071101 - NIPPON STEEL CORP
• [IA] US 3977359 A 19760831 - BOTTARO FRANCO
• See references of WO 2012153702A1

Cited by
US9951407B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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