

Title (en)

Air knife apparatus for finishing a metallic coating.

Title (de)

Blasdüse zur Steuerung der Überzugsdicke eines Metallüberzuges.

Title (fr)

Dispositif à lame d'air de régulation d'un dépôt métallique.

Publication

**EP 0566497 A1 19931020 (FR)**

Application

**EP 93400991 A 19930415**

Priority

FR 9204819 A 19920417

Abstract (en)

Device for controlling the thickness of a metal deposit formed on a strip (B) leaving a galvanising bath (1), comprising at least one nozzle (L1, L2) for blowing air through a slot (5) arranged between the opposed and slightly set apart ends of two jaws (41, 42). According to the invention the slot (5) for forming the air knife (A) is bounded by two plane faces (51, 52) parallel to each other, defining the direction (50) of the air knife (A), and one of the said faces (51) is arranged on a deformable lip (53) lying inside a cavity (43) arranged at the end of a first jaw (41) and capable of sliding along a plane supporting face (44) substantially perpendicular to the direction (50) of the air knife (A) while being deformed under the action of means (6) for adjusting the width of the slot, the plane face (51) being moved parallel to itself. <IMAGE>

IPC 1-7

**C23C 2/20**

IPC 8 full level

**B26F 3/00** (2006.01); **C23C 2/20** (2006.01)

CPC (source: EP US)

**C23C 2/20** (2013.01 - EP US)

Citation (search report)

- [A] FR 2136041 A5 19721222 - DEMAG AG
- [AD] FR 2090313 A1 19720114 - ITALSIDER SPA [IT]
- [AD] US 3841557 A 19741015 - ATKINSON E
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 180 (C-0935)30 Avril 1992 & JP-A-04 021 752 ( KAWASAKI STEEL CORP ) 24 Janvier 1992
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 149 (C-0705)22 Mars 1990 & JP-A-02 019 451 ( NIPPON STEEL CORP ) 23 Janvier 1990

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Designated contracting state (EPC)

DE ES GB IT NL

DOCDB simple family (publication)

**EP 0566497 A1 19931020; EP 0566497 B1 19960626;** AU 3700593 A 19931021; AU 665504 B2 19960104; DE 69303316 D1 19960801; DE 69303316 T2 19961219; ES 2088647 T3 19960816; FR 2690170 A1 19931022; FR 2690170 B1 19950331; JP H06106500 A 19940419; US 5332437 A 19940726

DOCDB simple family (application)

**EP 93400991 A 19930415;** AU 3700593 A 19930419; DE 69303316 T 19930415; ES 93400991 T 19930415; FR 9204819 A 19920417; JP 9147393 A 19930419; US 4721093 A 19930416