

Title (en)

Device for the pneumatic stabilisation of a continuously running metallic strip

Title (de)

Vorrichtung zur pneumatischen Stabilisierung eines kontinuierlich laufenden Metallbandes

Title (fr)

Dispositif pour la stabilisation pneumatique d'une bande métallique en défilement continu

Publication

EP 1728888 B1 20080813 (FR)

Application

EP 06447053 A 20060413

Priority

BE 200500277 A 20050602

Abstract (en)

[origin: EP1728888A1] The pneumatic stabiliser, designed to deliver a gas such as air, nitrogen or carbon dioxide under pressure to at least one side of a continuously-running metal strip (1), especially a steel strip leaving a hot galvanising bath of molten zinc (2), consists of a housing (5) with at least two transverse gas outlet slits (6) covering the width of the strip with the space between the slits covered by a perforated plate (8). The plate covers a housing cavity (7) with side walls (17) and a back (27), containing a moving plate (9) connected to a passive damper (10) essentially in the form of a damped harmonic oscillator. The gas flows from the slits can be delivered perpendicular or at an oblique angle to the moving strip's surface.

IPC 8 full level

C23C 2/16 (2006.01); **C23C 2/36** (2006.01)

CPC (source: EP US)

C23C 2/003 (2013.01 - EP US); **C23C 2/20** (2013.01 - EP); **C23C 2/5245** (2022.08 - EP US)

Cited by

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DOCDB simple family (publication)

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