

Title (en)

Device for removing liquid from the surface of a moving strip.

Title (de)

Vorrichtung zum Entfernen von Flüssigkeit von der Oberfläche eines bewegten Bandes.

Title (fr)

Dispositif pour enlever le liquide de la surface d'une bande en mouvement.

Publication

**EP 0513632 B1 19950719 (DE)**

Application

**EP 92107560 A 19920505**

Priority

DE 4116325 A 19910517

Abstract (en)

[origin: DE4215602A1] A slot-shaped nozzle (3) extends at right angles to the strip travel direction (L), and is aimed at the strip at an angle (B) of between 45 and 90 deg. to this direction. The distance (h) between the nozzle and the strip is between 2 and 10 times the nozzle width(s). The jet discharge speed is approx. Mach. 0.3. An exhaust gap (4) is formed at a distance in the travel direction from the line of impact on the strip of between 5 and 25 times the value of (h).

IPC 1-7

**F26B 13/28**; **B21B 45/02**; **G03D 15/02**

IPC 8 full level

**B08B 11/00** (2006.01); **B08B 1/02** (2006.01); **B08B 5/02** (2006.01); **B21B 45/02** (2006.01); **F26B 13/28** (2006.01); **G03D 15/02** (2006.01)

CPC (source: EP US)

**B21B 45/0278** (2013.01 - EP US); **F26B 13/28** (2013.01 - EP US); **G03D 15/02** (2013.01 - EP US)

Citation (examination)

- JP-A-1 123 236 (KONICA CORP.) 16. Mai 1989 & PATENT ABSTRACTS OF JAPAN vol. 13, no. 363 (P-918)(3711) 14. August 1989
- JP-A-62 132 567 (KOBE STEEL) 15. Juni 1987 & PATENT ABSTRACTS OF JAPAN vol. 11, no. 361 (C-459)(2808) 25. November 1987

Cited by

EP0662359A1; EP0679849A3; EP1070927A3; EP1775034A4; EP1092934A1; DE19901845A1; EP0816786A1; EP2735381A1; CN103831274A; US8499410B2; WO2010133219A3; WO2011003664A1; US9016230B2; DE102014222530A1; US9713265B2

Designated contracting state (EPC)

DE ES FR IT SE

DOCDB simple family (publication)

**EP 0513632 A1 19921119**; **EP 0513632 B1 19950719**; DE 4215602 A1 19921119; DE 4215602 C2 19950928; DE 59202907 D1 19950824; ES 2077284 T3 19951116; JP 3431181 B2 20030728; JP H05200374 A 19930810; US 5313685 A 19940524

DOCDB simple family (application)

**EP 92107560 A 19920505**; DE 4215602 A 19920512; DE 59202907 T 19920505; ES 92107560 T 19920505; JP 12371392 A 19920515; US 88020492 A 19920506