

Title (en)

Process and device for intensifying the contact between a rolled strip and a fluid

Title (de)

Verfahren und Vorrichtung zur Intensivierung des Kontaktes zwischen einem Walzband und einer Flüssigkeit

Title (fr)

Procédé et dispositif intensification du contact entre une bande laminée et un fluide

Publication

EP 0692314 A3 19961211 (DE)

Application

EP 95108373 A 19950601

Priority

DE 4421082 A 19940616

Abstract (en)

[origin: EP0692314A2] Intensification of the contact between a rolled strip (1) and liquid supplied under pressure from a container (20) to a slit-shaped nozzle (24) and hence, as a high-energy stream, against the strip (1). The liquid in the form of a closed jet (10) with a narrow, high-velocity profile, extends over the width of the strip, hits the strip at the straight angle, and is then gradually deflected to become a flow (11) parallel to the strip. After covering a contact zone (26) of given width and length, the flow is directed away from the strip. The appts. includes a flow guide element (27) with a gradually curving guide surface (28).

IPC 1-7

B05C 5/02

IPC 8 full level

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CPC (source: EP)

B21B 45/0218 (2013.01)

Citation (search report)

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WO9832899A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

DE 4421082 A1 19951221; DE 59507983 D1 20000420; EP 0692314 A2 19960117; EP 0692314 A3 19961211; EP 0692314 B1 20000315; ES 2144541 T3 20000616; JP H0857524 A 19960305

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