

Title (en)
DEVICE FOR APPLYING A SUBSTANCE TO A LINE

Title (de)
VORRICHTUNG ZUM AUFTRAGEN EINER MASSE AUF EINE BAHN

Title (fr)
DISPOSITIF PERMETTANT D'APPLIQUER UNE MASSE SUR UNE BANDE CONTINUE

Publication
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Application
EP 98943770 A 19980723

Priority
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• EP 9804616 W 19980723
• US 12775998 A 19980731

Abstract (en)
[origin: DE19733446A1] The invention relates to a device for applying a free-flowing substance to a moving line of material (11), especially for applying glue to a line of paper. The inventive device has an applicator roll (7) which transfers a layer of the substance to an application area (9) on the line of material (11), said substance having been taken from a supply (2). At the same time, the applicator roll (7) works together with a pressure element which presses the line of material (11) against said applicator roll (7), for example a counter-pressure roll (13). The pressure element is narrower than the line of material (11) to prevent parts of the coating substance from being pushed out sideways at the edge of the line of material. This configuration of the applicator device provides a thin, even application of the substance on the moving line, thus ensuring that the edges remain clean.

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B05C 1/08; **A24C 5/47**

IPC 8 full level
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CPC (source: EP US)
A24C 5/472 (2013.01 - EP US); **B05C 1/0826** (2013.01 - EP US); **B05C 1/083** (2013.01 - EP US)

Citation (search report)
See references of WO 9906153A1

Citation (third parties)
Third party :
• US 4865679 A 19890912 - GAMBERINI ANTONIO [IT], et al
• US 4736703 A 19880412 - MATTEI RICCARDO [IT], et al
• US 4497274 A 19850205 - FOCKE HEINZ [DE]
• DE 2150423 A1 19730412 - WALSER ALEX
• US 4292919 A 19811006 - TAYLOR WALTER C
• US 4763370 A 19880816 - MANCE DARKO [CA], et al
• DE 2552216 A1 19761118 - POLYGRAPH LEIPZIG
• US 3674608 A 19720704 - NYSTRAND ERNST DANIEL
• US 3162546 A 19641222 - GEORGE JEFFERYS ALBERT
• US 3373719 A 19680319 - FURRY LYMAN B
• US 2276997 A 19420317 - RICHARDSON RALPH R

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