

Title (en)  
DEVICE FOR APPLYING LIQUID GLUES TO A SUBSTRATE

Publication  
**EP 0297268 A3 19900314 (DE)**

Application  
**EP 88108052 A 19880519**

Priority  
DE 3721593 A 19870630

Abstract (en)  
[origin: JPS6430673A] PURPOSE: To enable the rapid adaptation to various layer thicknesses and viscosities of an adhesive by arranging a doctor blade which is built into an applicator nozzle and is easily removable and exchangeable by means of a clamp support in a slit-like discharge port. CONSTITUTION: Since an applicator head has a valve means, the hot melt discharged from the applicator nozzle 10 arranged in the bottom of the head is applied by as much as the exactly regulated amt. onto a web 32 moving forward under the nozzle 10. The hole 18 of one 12 of parallel plates 12, 14 of the nozzle 10 is connected via a passage 20 to a spreading chamber 22 where the coating thickness and width are regulated by a mask 24 consisting of spring sleet disposed between both plates 12 and 14. The clamp plate 28 presses the doctor blade 26 to the mask 24 via a clamp screw 30, the doctor blade 26 is thus easily removed and exchanged.

IPC 1-7  
**B05C 5/02**; **B05C 5/04**; **B05C 11/04**; **D06B 15/08**

IPC 8 full level  
**B05C 1/02** (2006.01); **B05C 5/02** (2006.01); **B05C 11/02** (2006.01); **B05C 11/04** (2006.01); **B05C 11/10** (2006.01); **D06B 11/00** (2006.01)

CPC (source: EP US)  
**B05C 5/0262** (2013.01 - EP US); **B05C 11/10** (2013.01 - EP US); **D06B 11/0066** (2013.01 - EP US)

Citation (search report)  
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• [X] US 3690297 A 19720912 - DENTCH MILTON P, et al  
• [A] EP 0096453 A2 19831221 - ACUMETER LAB [US]  
• [A] MELLIAND TEXTILBERICHTE, Band 68, Nr. 5, Mai 1987, Seiten 351-352, Heidelberg, DE; A.-R. CZERNY: "Die Rollraketel - eine wichtige Leitlinie für die Entwicklung des Textildrucks"

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Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0297268 A2 19890104**; **EP 0297268 A3 19900314**; DE 3721593 A1 19890126; DE 3721593 C2 19911107; JP 2608927 B2 19970514; JP S6430673 A 19890201; US 4876982 A 19891031

DOCDB simple family (application)  
**EP 88108052 A 19880519**; DE 3721593 A 19870630; JP 16483088 A 19880630; US 20261188 A 19880606