

Title (en)  
APPARATUS FOR INTERMITTENTLY APPLYING LIQUID GLUES

Publication  
**EP 0224916 B1 19890315 (DE)**

Application  
**EP 86116787 A 19861203**

Priority  
DE 3542903 A 19851204

Abstract (en)  
[origin: US4744330A] A device for intermittent application of liquids such as adhesive, in particular hot-melt adhesive, to material moved relatively to the device, comprises a reservoir for the liquid, an application nozzle which is preferably formed as slit nozzle or a plurality of adjacent application passages, a supply line from the reservoir to the nozzle, a needle valve provided shortly upstream from the nozzle, a means for interrupting the flow from the reservoir to the nozzle at desired intervals, a return line to the reservoir connected to the supply line upstream from the main valve and a second needle valve for shutting off the return line. The second needle valve is larger than the main valve and lies as preliminary valve in the supply line a small distance upstream from the main valve; both valves are controllable in adjustable time relationship with respect to each other.

IPC 1-7  
**B05C 5/04**; **B05C 11/10**

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

CPC (source: EP US)  
**B05C 5/0225** (2013.01 - EP US); **B05C 5/0258** (2013.01 - EP US); **B05C 5/0275** (2013.01 - EP US)

Citation (examination)  
EP 0111850 A1 19840627 - NORDSON CORP [US]

Cited by  
EP0625420A1; WO8903255A1

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

DOCDB simple family (publication)  
**EP 0224916 A1 19870610**; **EP 0224916 B1 19890315**; AT E41327 T1 19890415; DE 3542903 A1 19870611; DE 3542903 C2 19910808; ES 2008081 B3 19890716; GR 3000040 T3 19900131; JP H0586269 B2 19931210; JP S62144777 A 19870627; US 4744330 A 19880517

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