

Title (en)
Device for applying fluids on a substrate, especially for applying intermittently fluid glues

Title (de)
Vorrichtung zum Auftragen von fließfähigem Material auf ein Substrat, insbesondere zum intermittierenden Auftragen von flüssigem Klebstoff

Title (fr)
Dispositif pour l'application de matériaux fluides sur un substrat, en particulier pour l'application intermittente de colles fluides

Publication
EP 0850697 A3 19990721 (DE)

Application
EP 97121817 A 19971211

Priority
DE 29622341 U 19961223

Abstract (en)
[origin: CA2225658A1] A device for applying free-flowing material to a movable substrate (1), especially for intermittent application of liquid adhesive. At least one supply channel (46) feeds free-flowing material and at least one nozzle unit (8) with at least one output channel is connected with the supply channel (46) and ends in an output orifice for delivering material. A valve mechanism interrupts the flow of material and includes a movable valve body (14) and a valve seat (44). The valve body (14) interacts with the valve seat (44) in such a way that the flow of material is interrupted by movement of the valve body (14) to a closed position and released by movement into an open position. The valve body (14) comes into contact with the valve seat (44) to interrupt the flow of material through a movement contrary to the direction of flow of the material.

IPC 1-7
B05C 11/10

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

CPC (source: EP US)
B05C 5/0237 (2013.01 - EP US); **B05C 5/0254** (2013.01 - EP US); **B05C 5/0275** (2013.01 - EP US)

Citation (search report)

- [XA] US 5277342 A 19940111 - DICKAU EWALD F [US], et al
- [X] US 4678100 A 19870707 - GELINAS WILLIAM A [US], et al
- [XA] EP 0565972 A1 19931020 - WALLNER HARALD [DE]
- [XA] EP 0681874 A2 19951115 - SAGITTA OFF MEC [IT]
- [XA] US 3854631 A 19741217 - MOEN L
- [A] US 4687137 A 19870818 - BOGER BENTLEY J [US], et al
- [A] DE 29613761 U1 19961205 - LENHARDT MASCHINENBAU [DE]
- [A] EP 0329829 A2 19890830 - MACON KLEBETECHNIK GMBH [DE]
- [XA] EP 0668111 A2 19950823 - NORDSON CORP [US]
- [A] EP 0676248 A1 19951011 - RENAULT [FR]
- [A] US 2766484 A 19561016 - COMBER SANDERSON JAMES

Cited by
DE10010952A1; DE102018101801A1; CN100465487C; EP1147820A3

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 29622341 U1 19970403; CA 2225658 A1 19980623; DE 59711829 D1 20040909; DE 59712557 D1 20060413; EP 0850697 A2 19980701; EP 0850697 A3 19990721; EP 0850697 B1 20040804; EP 1358945 A2 20031105; EP 1358945 A3 20040310; EP 1358945 B1 20060125; EP 1358945 B2 20110323; JP 3902851 B2 20070411; JP H10192763 A 19980728; US 6164568 A 20001226

DOCDB simple family (application)
DE 29622341 U 19961223; CA 2225658 A 19971223; DE 59711829 T 19971211; DE 59712557 T 19971211; EP 03017309 A 19971211; EP 97121817 A 19971211; JP 35464197 A 19971224; US 99639097 A 19971222