

Title (en)  
FLUID NOZZLE APPLICATOR

Publication  
**EP 0286212 A3 19890830 (EN)**

Application  
**EP 88301300 A 19880217**

Priority  
US 3626987 A 19870409

Abstract (en)  
[origin: EP0286212A2] A novel preferably poppet-valve-controlled fluid applicator for extruding hot melt and other coating fluids and the like as fibers or filaments and/or droplets upon moving webs and other surfaces wherein the valve stem tip (T) blocks or permits the flow of the fluid into a hollow nozzle insert (4) communicating with, preferably, a needle-like nozzle tube spray extruder (15), with provision for adjustment to produce controlled fiber and/or droplet spray coatings, and preferably though optionally with air-shaping control of the coatings.

IPC 1-7  
**B05B 1/30**; **B05B 7/12**; **B05C 5/04**

IPC 8 full level  
**B05B 1/30** (2006.01); **B05B 7/04** (2006.01); **B05B 7/06** (2006.01); **B05B 12/00** (2018.01); **B05B 15/18** (2018.01); **B05C 5/00** (2006.01); **B05C 5/02** (2006.01)

CPC (source: EP KR US)  
**B05B 1/083** (2013.01 - EP); **B05B 1/3093** (2013.01 - EP); **B05B 7/0475** (2013.01 - EP); **B05B 7/066** (2013.01 - EP); **B05B 12/00** (2013.01 - EP US); **B05B 15/18** (2018.01 - EP US); **B05C 5/02** (2013.01 - EP US); **B05C 5/0225** (2013.01 - EP); **B05D 3/00** (2013.01 - KR)

Citation (search report)  
• [AD] US 4565217 A 19860121 - MCINTYRE FREDERIC S [US]  
• [A] DE 3108793 A1 19820930 - BIMA MASCHINENFABRIK GMBH [DE]

Cited by  
CN102233222A; DE9414218U1; EP0565972A1; US9682394B2; US7470448B2; WO9014898A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 0286212 A2 19881012**; **EP 0286212 A3 19890830**; AU 1407788 A 19881013; AU 613354 B2 19910801; BR 8801692 A 19881116; CA 1295356 C 19920204; CN 1012715 B 19910605; CN 88101803 A 19881026; FI 881509 A0 19880330; FI 881509 A 19881010; IL 85854 A0 19880930; IL 85854 A 19911215; JP S63315168 A 19881222; KR 880012275 A 19881126

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**EP 88301300 A 19880217**; AU 1407788 A 19880331; BR 8801692 A 19880408; CA 562976 A 19880330; CN 88101803 A 19880408; FI 881509 A 19880330; IL 8585488 A 19880324; JP 8705488 A 19880408; KR 880004079 A 19880409