

Title (en)  
SLOT NOZZLE

Publication  
**EP 0366962 A3 19901114 (DE)**

Application  
**EP 89118397 A 19891004**

Priority  
DE 8812493 U 19881004

Abstract (en)  
[origin: US5056687A] A slit nozzle for applying to a substrate a liquid high-polymer material, in particular a hot-melt adhesive on the basis of polyurethane, including a nozzle body and a controllable shut-off valve integrated into the nozzle body, wherein the liquid high-polymer material flows in a substantially straight path from the shut-off valve through a short passage into a spreading chamber which is connected to an exit slit.

IPC 1-7  
**B05B 5/04**

IPC 8 full level  
**B05C 5/02** (2006.01)

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

Citation (search report)

- [X] WO 8801542 A1 19880310 - NORDSON CORP [US]
- [X] US 4774109 A 19880927 - HADZIMIHALIS THEODORE M [US], et al
- [A] DE 3223999 A1 19830210 - DYNAMELT 1981 LTD [GB]
- [A] DE 3635481 C1 19880211 - DITTBERNER GMBH

Cited by  
DE19755625A1; DE10232984A1; US7419549B2

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

DOCDB simple family (publication)  
**US 5056687 A 19911015**; AT E119080 T1 19950315; DE 58909056 D1 19950406; DE 8812493 U1 19900201; EP 0366962 A2 19900509; EP 0366962 A3 19901114; EP 0366962 B1 19950301; ES 2070875 T3 19950616; JP 2752728 B2 19980518; JP H02169065 A 19900629

DOCDB simple family (application)  
**US 41674789 A 19891003**; AT 89118397 T 19891004; DE 58909056 T 19891004; DE 8812493 U 19881004; EP 89118397 A 19891004; ES 89118397 T 19891004; JP 26120589 A 19891004