

Title (en)

Apparatus for intermittently dispensing fluids

Title (de)

Vorrichtung zur intermittierenden Abgabe von fluiden Medien

Title (fr)

Appareil pour la distribution intermittente de produits fluides

Publication

EP 1681101 A1 20060719 (DE)

Application

EP 06000253 A 20060107

Priority

DE 202005000656 U 20050117

Abstract (en)

A method for rapid intermittent dispensing liquids, e.g. Adhesive stripes, has a pneumatic dispensing valve (10) in a dispensing head connected to liquid and compressed gas ducts. In order to achieve a rapid dispensing rate with a minimum of inertia the pneumatic valve is directly controlled by a solenoid valve (25) mounted close to the pneumatic valve, i.e. with a minimum of trapped pneumatic volume. The pneumatic valve operates against a return spring and the solenoid valve has a variable control, related to the applied voltage, to vary the dispensing rate.

IPC 8 full level

B05C 5/02 (2006.01); **B05C 5/00** (2006.01)

CPC (source: EP)

B05B 7/1281 (2013.01); **B05C 5/0225** (2013.01)

Citation (applicant)

US 5407101 A 19950418 - HUBBARD TIMOTHY M [US]

Citation (search report)

- [XY] DE 10046326 A1 20020404 - NORDSON CORP [US]
- [Y] US 2002079327 A1 20020627 - ESTELLE PETER W [US], et al
- [DY] US 5407101 A 19950418 - HUBBARD TIMOTHY M [US]
- [A] EP 1199108 A2 20020424 - NORDSON CORP [US]
- [A] EP 1384513 A1 20040128 - MUSASHI ENGINEERING INC [JP]

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

DE 202005000656 U1 20050317; DE 502006008969 D1 20110414; EP 1681101 A1 20060719; EP 1681101 B1 20110302; EP 2138238 A1 20091230; EP 2138238 B1 20140402; ES 2361035 T3 20110613; ES 2470640 T3 20140624

DOCDB simple family (application)

DE 202005000656 U 20050117; DE 502006008969 T 20060107; EP 06000253 A 20060107; EP 09012730 A 20060107; ES 06000253 T 20060107; ES 09012730 T 20060107