

Title (en)
Dispensing apparatus for viscous liquids

Title (de)
Einrichtung zur Abgabe einer zähen Flüssigkeit

Title (fr)
Appareil de distribution de liquides visqueux

Publication
EP 1251302 A3 20060913 (EN)

Application
EP 02078045 A 20000526

Priority
• EP 00937930 A 20000526
• US 13646199 P 19990528
• US 57836600 A 20000525

Abstract (en)
[origin: EP1251302A2] Apparatus (10) for dispensing viscous liquid, such as hot melt adhesive, includes a manifold (14) and a dispensing module (12). A valve includes a valve seat (107) having an orifice (106) and a sealing surface located around the orifice (106). The valve further includes a valve stem (108) movable between open and closed positions and having a recess (264) in one end and a sealing edge (266) located around the recess (264) (fig. 6A). A valve module (280) includes an integrated heating element (296) for providing localized heat to the adhesive immediately prior to dispensing (fig. 7).

IPC 8 full level
F16K 1/36 (2006.01); **B05C 5/00** (2006.01); **B05C 5/02** (2006.01); **B05C 11/10** (2006.01); **F16K 49/00** (2006.01)

CPC (source: EP)
B05C 5/001 (2013.01); **B05C 5/0225** (2013.01); **B05C 11/1034** (2013.01); **B05C 5/02** (2013.01)

Citation (search report)
• [X] EP 0679445 A2 19951102 - NORDSON CORP [US]
• [X] US 4711379 A 19871208 - PRICE RICHARD P [US]
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CN109505990A; CN113996501A; US7732736B2; WO2008121699A3

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
EP 1251302 A2 20021023; EP 1251302 A3 20060913

DOCDB simple family (application)
EP 02078045 A 20000526