

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]
- [X] EP 0422399 A2 19910417 - NORDSON CORP [US]
- [X] US 3818930 A 19740625 - CRUM G, et al

Cited by

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**