

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 A2 20021023 (EN)**

Application

**EP 02078045 A 20000526**

Priority

- EP 00937930 A 20000526
- US 13646199 P 19990528
- US 57836600 A 20000525

Abstract (en)

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 1-7

**F16K 1/36**; **F16K 49/00**

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

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Cited by

CN109505990A; CN113996501A; US7732736B2; WO2008121699A3

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