

Title (en)

METHOD FOR DISPENSING VISCOUS LIQUID

Title (de)

VERFAHREN ZUR AUSGABE VON VISKOSEN FLÜSSIGKEITEN

Title (fr)

PROCEDE DE DISTRIBUTION DE LIQUIDE VISQUEUX

Publication

**EP 1169135 B1 20031119 (EN)**

Application

**EP 00923301 A 20000413**

Priority

- US 0009876 W 20000413
- US 29427599 A 19990419

Abstract (en)

[origin: WO0062941A1] An electrically operated liquid dispenser (10) to selectively dispense viscous liquid, such as an epoxy (18), into a substrate (19), such as a printed circuit board. The dispenser (10) has a dispenser body (12) with a first interior portion and a second interior portion (22). The first interior portion (20) includes a valve seat (32) and communicates with an outlet (34). An armature (60) is disposed within the second interior portion (22), and a valve stem (26) is mounted within the first interior portion (20) for movement with the armature (60) between closed and opened positions. A coil (70) is disposed about the armature (60) and is adapted to selectively generate an electromagnetic field for moving the armature (60) and is adapted to selectively generate an electromagnetic field for moving the armature (60) and the valve stem (26) between the closed and opened positions. A liquid inlet passageway (46) is in fluid communication with the first interior portion (20) and is adapted to connect to a source (47) of liquid for supplying the liquid to the first interior portion (20). To prevent liquid in the first interior portion (20) from leaking into the second interior portion (22), a seal member (52) is mounted between the first and second interior portions (20, 22) to sealingly engage the valve stem (26).

IPC 1-7

**B05C 11/10**; **B05C 5/02**

IPC 8 full level

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