

Title (en)
LIQUID DISPENSING DEVICE

Publication
EP 0040068 B1 19850807 (EN)

Application
EP 81302056 A 19810508

Priority
US 14857780 A 19800509

Abstract (en)
[origin: EP0040068A1] A liquid dispensing device in which there is a movable needle valve (14) operable to open and close a valve seat located within the nozzle of the dispensing device. The needle valve (14) is guided by a guide bushing (90) contained within the nozzle bore. A very small radiused semi-spherical end surface on the nozzle has been found to eliminate stringing of viscous liquid materials dispensed from the nozzle, particularly when the end surface is combined with a needle valve which is maintained concentric with the nozzle orifice by the guide bushing contained within the nozzle bore.

IPC 1-7
B05B 1/32; **B05C 11/10**; **B65B 51/02**

IPC 8 full level
B05C 5/00 (2006.01); **B05B 1/30** (2006.01); **B05C 5/02** (2006.01); **B65B 51/02** (2006.01)

CPC (source: EP)
B05B 1/306 (2013.01); **B05C 5/0225** (2013.01); **B65B 51/023** (2013.01)

Cited by
EP0066017A1; EP0588562A1; EP0107808A3; US5934521A; EP0790080A3; FR2617062A1; EP0237190A3; EP0700730A1; US5794825A; CN103785560A; CN114453196A; US2021178676A1; WO2014173071A1

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EP 81302056 A 19810508; CA 376106 A 19810423; DE 3171682 T 19810508; JP 6892281 A 19810509