

Title (en)

FLUID DISPENSING NOZZLE AND FEEDING APPARATUS, PARTICULARLY FOR A PACKAGING MACHINE

Publication

EP 0117329 A3 19841227 (EN)

Application

EP 83301048 A 19830228

Priority

EP 83301048 A 19830228

Abstract (en)

[origin: EP0117329A2] A filling device for cartons C comprises a row of vertical ducts arranged along a path of the cartons C. Each duct includes, progressing downwardly, an upper bellows (30), a ducting section (32) incorporating an inlet valve (33), a lower bellows (35), and a fixed nozzle (37) incorporating an outlet valve (43). The section (32) is vertically reciprocated by a ram (42). The nozzle (37) comprises a tubular housing (38) containing a valve member (43) comprising a closure part (44) co-operating with a valve seat (50) at the lower extremity of the housing (38), a stem (45), and a driving part (46) of inverted cup shape fixedly received with clearance (56) on the stem (45) and movably received with clearance (54) in the housing (38).

IPC 1-7

B65B 39/00

IPC 8 full level

B65B 39/00 (2006.01); **B65B 39/02** (2006.01)

CPC (source: EP)

B65B 39/004 (2013.01); **B65B 39/02** (2013.01)

Citation (search report)

- [E] US 4402461 A 19830906 - MOSSE RICHARD W E [GB], et al
- [E] EP 0090664 A2 19831005 - LIQUIPAK INT BV [GB]
- [A] US 2987082 A 19610606 - SCHAUB GORDON C

Cited by

CN111977043A; US5687779A; EP0929443A4; WO9609957A3

Designated contracting state (EPC)

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