

Title (en)
FILLER MEANS FOR CHARGING CONTAINERS

Publication
EP 0095651 A3 19841212 (EN)

Application
EP 83104840 A 19830517

Priority
US 38288982 A 19820528

Abstract (en)
[origin: EP0095651A2] The drawings and description disclose a liquid filler arrangement including upper and main bodies and a lower sleeve nozzle, with a diaphragm assembly mounted between the main and upper bodies and an inlet formed in the side of the main body. Combined valve and orifice means are operatively positioned substantially at the juncture of the main body and the sleeve nozzle, and one of a diffuser, a lip seal, or a valve is located at the bottom end of the sleeve nozzle, each of which supports a column of liquid product, the diffuser and lip seal by capillary action, and the valve by virtue of being closed. Upon a measured volume of liquid product being pumped into the side inlet by a remote time piston means, an equivalent measured volume is discharged from the sleeve nozzle through its diffuser or opened lip seal or valve into a container which may be mounted around the sleeve nozzle and filled as it is being pulled from around the sleeve nozzle by suitable external means.

IPC 1-7
B65B 39/00; **B65B 3/22**; **B67C 3/26**

IPC 8 full level
B67C 3/02 (2006.01); **B65B 39/00** (2006.01); **B67C 3/04** (2006.01)

CPC (source: EP)
B65B 39/004 (2013.01); **B65B 2039/008** (2013.01)

Citation (search report)

- DE 2358157 A1 19740530 - THIMONNIER & CIE
- GB 1276626 A 19720607 - APPLIC GAZ SA [FR]
- US 3285300 A 19661115 - MISTARZ ROBERT J
- GB 2043604 A 19801008 - OCME SPA
- US 3012700 A 19611212 - MAYER JR CARL H
- DE 1611885 A1 19720622 - SEEBERGER KG MASCHINEN UND GER
- US 3978900 A 19760907 - MENCACCI SAMUEL A, et al
- GB 1368558 A 19740925 - HORIX MFG CO
- GB 1570102 A 19800625 - JAGENBERG WERKE AG

Cited by
EP0850838A1; US5954086A; TWI607953B

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0095651 A2 19831207; **EP 0095651 A3 19841212**; **EP 0095651 B1 19881228**; CA 1204712 A 19860520; DE 3378757 D1 19890202; DK 239083 A 19831129; DK 239083 D0 19830527; JP H0479918 B2 19921217; JP S58216587 A 19831216; NO 159007 B 19880815; NO 159007 C 19881123; NO 831865 L 19831129

DOCDB simple family (application)
EP 83104840 A 19830517; CA 427767 A 19830509; DE 3378757 T 19830517; DK 239083 A 19830527; JP 9086883 A 19830525; NO 831865 A 19830526