

Publication

EP 0787457 A3 19970813

Application

EP 97107839 A 19930319

Priority

- EP 97107839 A 19930319
- EP 93104544 A 19930319

Abstract (en)

[origin: EP0787457A2] A liquid dispensing system providing a housing holding a liquid filled pouch (48) inside, the housing pivotably supporting an actuating arm which is thrust against the pouch by a push button extending outside the housing, the actuating arm having an actuator (88) to compress an upper section of a tubular peristaltic pump section (70) of the pouch for squeezing out an incremental amount of liquid. The tubular peristaltic pumping section provides V-shaped notches arranged on lateral sides of the top section and the bottom section for ease of closure by flattening and other advantages. A check valve (106) having lever arms to resiliently stretch flat a discharge nozzle section at the lower end of the peristaltic pumping tube prevents dripping during non-use. A check valve actuator (90) is provided on the actuating arm to engage with the check valve lever arms to open the discharge nozzle during actuation and a short time thereafter to create a suck-back to remove any drips.

IPC 1-7

A47K 5/12

IPC 8 full level

A47K 5/122 (2006.01)

CPC (source: EP)

A47K 5/122 (2013.01)

Citation (search report)

- [DA] US 4932562 A 19900612 - CHRISTINE WILLIAM C [US]
- [DA] US 4349133 A 19820914 - CHRISTINE WILLIAM C

Cited by

EP2225988A1; EP2687137A1; AU2010200843B2; US8387832B2

Designated contracting state (EPC)

BE CH DE DK FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0787457 A2 19970806; EP 0787457 A3 19970813; DE 69315552 D1 19980115; DE 69315552 T2 19980702; EP 0787458 A2 19970806; EP 0787458 A3 19970813

DOCDB simple family (application)

EP 97107839 A 19930319; DE 69315552 T 19930319; EP 97107840 A 19930319