

Title (en)
Liquid dispensing system

Title (de)
Flüssigkeitsausgabevorrichtung

Title (fr)
Dispositif distributeur de liquide

Publication
EP 0787458 A2 19970806 (EN)

Application
EP 97107840 A 19930319

Priority
EP 93104544 A 19930319

Abstract (en)
A liquid dispensing system providing a housing holding a liquid filled pouch (48) inside, the housing pivotably supporting an actuating arm (24) 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.

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