

Title (en)

Trigger actuated pump and combination thereof with a fluid container.

Title (de)

Fingerhebelbediente Pumpe, auch mit einem Flüssigkeitsbehälter kombiniert.

Title (fr)

Pompe à gâchette et sa combinaison avec un récipient de fluide.

Publication

EP 0084697 A1 19830803 (EN)

Application

EP 82300341 A 19820122

Priority

- EP 82300341 A 19820122
- US 22127880 A 19801230

Abstract (en)

A manually operable fluid dispensing pump (10) for attachment to a container (14) for a fluid to be dispensed, comprising an open flexible tubular bladder (20), a housing (16) which includes a cavity (11) intended to contain the tubular bladder, and a trigger (18) connected to the housing (16), such that it will depress the bladder (20). The bladder has a downstream end (20b) provided with a one-way outlet valve comprising a cylinder with a cross-section smaller than the cross-section of the bladder, which interacts with post (50) on assembly with the nozzle (22), an upstream end (20a) open to permit fluid to flow into the bladder under control of a flap-valve formed by the bladder side wall. The upstream flap-valve permits the flow of fluid from the container (14) via a channel (21, 28) to the pump when the bladder expands to regain its natural profile after depression. Venting means (45) are incorporated between container (14) and cavity (19), and the trigger (18) operates on the bladder (20) by means of a skid plate (30) having a raised profile (30A).

IPC 1-7

B05B 11/00

IPC 8 full level

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CPC (source: EP)

B05B 11/103 (2023.01); **B05B 11/1033** (2023.01); **B05B 11/0044** (2018.07)

Citation (search report)

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- [A] FR 2002077 A1 19691003 - LEEDS & MICALLEF
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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 8202372 A1 19820722; CA 1165288 A 19840410; EP 0084697 A1 19830803; JP S57502053 A 19821118

DOCDB simple family (application)

US 8101772 W 19811228; CA 393376 A 19811230; EP 82300341 A 19820122; JP 50059381 A 19811228