

Title (en)

Precompression hand pump for the spraying of a liquid and dispensing assembly comprising such a pump

Title (de)

Handbetätigte Pumpe mit Vordruckkammer zum Zerstäuben einer Flüssigkeit und Abgabevorrichtung mit einer solchen Pumpe

Title (fr)

Pompe manuelle à précompression pour la pulvérisation d'un liquide et ensemble de distribution équipé d'une telle pompe

Publication

EP 0718045 B1 19970716 (FR)

Application

EP 95402419 A 19951030

Priority

FR 9414036 A 19941123

Abstract (en)

[origin: EP0718045A1] The pump (501), comprises a cylindrical body (503) defining a cylindrical pumping chamber (502) with an axis Y, and a first piston (507), having an operating plunger (506,) and supported against a return spring (509) is housed in the chamber. A cylindrical pre-compression chamber (505) having an axis Y has a second piston (510) supported against a second return spring (511). The two chambers are connected by a passage (550). A supply channel (504) has a non return valve (515,504a) which discharges into the pumping chamber. A delivery tube (517) has an atomising nozzle (520) connected by a delivery channel (518) to the pre-compression chamber. The pre-compression chamber has a slide (F) able to open and close the passage to the pumping chamber. When the pump is at rest the passage is closed, connection is established during pre-compression under the action of the operating part.

IPC 1-7

B05B 11/00

IPC 8 full level

B05B 11/00 (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)

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