

Title (en)

IMPROVED PRE-COMPRESSION SPRAY PUMP

Title (de)

PUMPE MIT DRUCKAUFBAU

Title (fr)

POMPE A PRECOMPRESSION AMELIOREE

Publication

EP 1194247 B1 20030827 (FR)

Application

EP 00951630 A 20000621

Priority

- FR 0001717 W 20000621
- FR 9908361 A 19990630

Abstract (en)

[origin: FR2795779A1] The invention concerns a pre-compression spray pump for dispensing measured amounts of a fluid product, comprising a piston (1) integral with an actuating rod (2) and sliding in a pump body (3) comprising a pump chamber (10) defined between an intake valve (11) and an outlet valve (12). The invention is characterised in that when the pump is actuated, the outlet valve (12) is urged towards its closing position by the pressure of the product contained in the pump chamber (10), and when the pump ceases to be actuated, a lever element (30) moves said outlet valve (12) towards its opening position to enable the product contained in the pump chamber (10) to be expelled.

IPC 1-7

B05B 11/00

IPC 8 full level

B65D 83/76 (2006.01); **B05B 11/00** (2006.01); **F04B 9/04** (2006.01); **F04B 13/00** (2006.01); **F04B 39/10** (2006.01); **F04B 53/14** (2006.01)

CPC (source: EP US)

B05B 11/1039 (2023.01 - EP US); **B05B 11/1001** (2023.01 - EP US)

DOCDB simple family (publication)

FR 2795779 A1 20010105; FR 2795779 B1 20010914; CN 1128683 C 20031126; CN 1341042 A 20020320; DE 60004847 D1 20031002; DE 60004847 T2 20040708; EP 1194247 A1 20020410; EP 1194247 B1 20030827; JP 2003503633 A 20030128; US 6446841 B1 20020910; WO 0102100 A1 20010111

DOCDB simple family (application)

FR 9908361 A 19990630; CN 00804079 A 20000621; DE 60004847 T 20000621; EP 00951630 A 20000621; FR 0001717 W 20000621; JP 2001507583 A 20000621; US 1842701 A 20011220