

Title (en)
DISTRIBUTION PUMP FOR A FLUID PRODUCT

Title (de)
ABGABEPUMPE FÜR MEDIEN

Title (fr)
POMPE DE DISTRIBUTION DE PRODUIT FLUIDE

Publication
EP 1497037 B1 20051026 (FR)

Application
EP 03740589 A 20030410

Priority
• FR 0301144 W 20030410
• FR 0204814 A 20020417

Abstract (en)
[origin: FR2838787A1] The pump comprises a housing (10) with a pump chamber (20) defined between an inlet check valve (30) and an outlet check valve (40) and a piston (50). The piston is connected to an operating rod (60) comprising an ejection channel (65). The inlet valve comprises a non-return valve (31) and the outlet valve comprises a non-return valve (41). During activation the outlet non-return valve is forced into the closed position by the pressure of the product contained in the chamber. The outlet valve is moved to its opening position by the inlet non-return valve when the piston arrives in its distribution position. An Independent claim is included for a fluid distribution device comprising the pump.

IPC 1-7
B05B 11/00

IPC 8 full level
B05B 11/00 (2006.01)

CPC (source: EP)
B05B 11/1018 (2023.01); **B05B 11/104** (2023.01)

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
FR 2838787 A1 20031024; FR 2838787 B1 20051104; AU 2003262151 A1 20031027; CN 1329126 C 20070801; CN 1652880 A 20050810; DE 60302056 D1 20051201; DE 60302056 T2 20060720; EP 1497037 A1 20050119; EP 1497037 B1 20051026; JP 2005527353 A 20050915; JP 4369760 B2 20091125; WO 03086648 A1 20031023

DOCDB simple family (application)
FR 0204814 A 20020417; AU 2003262151 A 20030410; CN 03811335 A 20030410; DE 60302056 T 20030410; EP 03740589 A 20030410; FR 0301144 W 20030410; JP 2003583647 A 20030410