

Title (en)

Apparatus for dispensing fluids

Title (de)

Vorrichtung zum Abgeben von Flüssigkeiten

Title (fr)

Appareil de distribution de fluides

Publication

EP 1191223 A1 20020327 (EN)

Application

EP 00308441 A 20000926

Priority

EP 00308441 A 20000926

Abstract (en)

An apparatus (2) for positive and continuous dispensation of fluids, particularly highly viscous or thixotropic materials, the apparatus having an inlet (12) for delivering fluid to a chamber and at least three pumping means, such as pistons (22) which are arranged to act on the fluid in the chamber sequentially whereby at least one pumping means is acting on the fluid in the chamber at any one time thereby causing continuous discharge of fluid from an outlet (38). Two or more apparatuses may be linked together and controlled independently to allow production of two or more component mixtures in definite mixed ratios. The ratios may be varied by simple adjustment of the controls. <IMAGE>

IPC 1-7

F04B 1/14; **F04B 1/047**; **F04B 11/00**

IPC 8 full level

F04B 1/047 (2006.01); **F04B 1/14** (2006.01); **F04B 11/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XY] DE 19618128 A1 19971113 - DBS GMBH [DE]
- [Y] US 5129792 A 19920714 - ABOUSABHA NAJI G [US]
- [X] WO 9629515 A1 19960926 - MICROPUMP CORP [US]
- [X] US 2454563 A 19481123 - JEAN MEREIER
- [X] US 3910162 A 19751007 - NONNENMACHER GERHARD
- [A] US 1776786 A 19300930 - EISENHauer CHARLES P

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DOCDB simple family (publication)

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