

Title (en)
DOSING PUMP

Publication
EP 0354484 B1 19920108 (DE)

Application
EP 89114391 A 19890803

Priority
DE 3827489 A 19880812

Abstract (en)
[origin: US4990066A] A self-aspirating and self-venting metering pump comprises a pump chamber with a diaphragm valve for delivery to a metering point. In order to achieve a precise adjustment of the metering volume the diaphragm valve and the venting means are coupled to each other such that the venting means is open during a pressure stroke and closed during the suction stroke.

IPC 1-7
F04B 21/00; F04B 43/00

IPC 8 full level
F04B 13/00 (2006.01); **F04B 7/00** (2006.01); **F04B 43/00** (2006.01); **F04B 43/02** (2006.01); **F04B 43/04** (2006.01); **F04B 53/06** (2006.01)

CPC (source: EP US)
F04B 7/0053 (2013.01 - EP US); **F04B 43/04** (2013.01 - EP US); **F04B 53/06** (2013.01 - EP US)

Cited by
DE4219664A1; DE4219663A1; WO9413956A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)
US 4990066 A 19910205; AT E71434 T1 19920115; DE 3827489 C1 19891012; DE 58900696 D1 19920220; EP 0354484 A1 19900214;
EP 0354484 B1 19920108; JP H02140470 A 19900530

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US 39352789 A 19890811; AT 89114391 T 19890803; DE 3827489 A 19880812; DE 58900696 T 19890803; EP 89114391 A 19890803;
JP 20801589 A 19890814