

Title (en)
Enclosed dosing pump

Title (de)
Als Kapselpumpe ausgebildete Dosierpumpe

Title (fr)
Pompe doseuse encapsulée

Publication
EP 0758053 B1 19991006 (DE)

Application
EP 96112488 A 19960802

Priority
DE 29512694 U 19950807

Abstract (en)
[origin: US5782617A] A capsule-type dosing pump wherein the minimum volume of the pump capsule is reduced substantially to zero through use of a stationary capsule wall which is shaped so as to complement, i.e., to conform to, the bulged-out shape of the capsule diaphragm when in its most forward position, and wherein means are provided for ensuring that the capsule diaphragm, when in its most forward position thereof, will lie flush against the complementary surface of the stationary capsule wall so as to prevent pockets of liquids from forming therebetween.

IPC 1-7
F04B 43/06; F04B 43/00

IPC 8 full level
F04B 43/00 (2006.01); **F04B 43/06** (2006.01)

CPC (source: EP US)
F04B 43/0063 (2013.01 - EP US); **F04B 43/06** (2013.01 - EP US)

Cited by
EP0969208A1; FR2780451A1; US6267568B1

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

DOCDB simple family (publication)
US 5782617 A 19980721; AT E185402 T1 19991015; DE 29512694 U1 19951019; DE 29612987 U1 19961010; DE 59603272 D1 19991111; EP 0758053 A1 19970212; EP 0758053 B1 19991006

DOCDB simple family (application)
US 69258696 A 19960806; AT 96112488 T 19960802; DE 29512694 U 19950807; DE 29612987 U 19960726; DE 59603272 T 19960802; EP 96112488 A 19960802