

Title (en)
Fluid metering device

Title (de)
Fluiddosiervorrichtung

Title (fr)
Dispositif de dosage d'un fluide

Publication
EP 1046809 B1 20050810 (DE)

Application
EP 00107401 A 20000405

Priority
DE 19917839 A 19990420

Abstract (en)
[origin: EP1046809A2] A fluid dosing device for a pressurised fluidic medium, includes a pressurised fluid chamber (13) in a housing (1), a valve needle (3) extending through the chamber (13) and having its first end (22) subjected to a stroke action outside the chamber (13 and its second end (23) forming, together with a valve seat (2) positioned on the housing (1), a valve joined to the chamber (13) A metal bellows (17) serves as the lead-in element for the first end (22) of the valve needle (3) from the chamber (13) outwards, in which the external pressure is less than internal chamber (13) pressure, the chamber being tightly hermetically sealed.

IPC 1-7
F02M 51/06; **F02M 61/08**; **F02M 61/16**

IPC 8 full level
F02M 51/06 (2006.01); **F02M 61/08** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)
F02M 51/0603 (2013.01 - EP US); **F02M 51/0671** (2013.01 - EP US); **F02M 61/08** (2013.01 - EP US); **F02M 61/16** (2013.01 - EP US); **F02M 61/167** (2013.01 - EP US); **F02M 63/0057** (2013.01 - EP US); **F02M 2200/16** (2013.01 - EP US)

Citation (examination)

- DE 591559 C 19340123 - SCHWEIZERISCHE LOKOMOTIV
- GB 292587 A 19290110 - AEG
- US 5205492 A 19930427 - KHINCHUK GREGORY [US]
- DE 1036575 B 19580814 - FRITZ OSTWALD DIPL PHYS

Cited by
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Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1046809 A2 20001025; **EP 1046809 A3 20030618**; **EP 1046809 B1 20050810**; DE 50010902 D1 20050915; US 6311950 B1 20011106

DOCDB simple family (application)
EP 00107401 A 20000405; DE 50010902 T 20000405; US 55337100 A 20000420