

Title (en)
Pulsation damper

Title (de)
Pulsationsdämpfer

Title (fr)
Amortisseur de pulsations

Publication
EP 1813809 B1 20100526 (DE)

Application
EP 06022896 A 20061103

Priority
DE 102006004251 A 20060131

Abstract (en)
[origin: EP1813809A1] The pulsation damper (10) for a feed pump has a housing with a flexible membrane closing one end and defining a pressure chamber (24) of variable volume. The chamber is connected to a gas source by a switching valve. The membrane has a position adjuster to allow movement between end positions dependent on the fluid pressure. The membrane is connected to a rod which carries a permanent magnet and there is a sensor to determine the membrane position and alter the switching valve or vent valve to regulate the membrane.

IPC 8 full level
F04B 11/00 (2006.01)

CPC (source: EP)
F04B 11/0016 (2013.01)

Cited by
CN104564617A; CN111828283A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1813809 A1 20070801; EP 1813809 B1 20100526; AT E469300 T1 20100615; DE 102006004251 A1 20070802;
DE 502006007021 D1 20100708; ES 2342095 T3 20100701; PL 1813809 T3 20101029

DOCDB simple family (application)
EP 06022896 A 20061103; AT 06022896 T 20061103; DE 102006004251 A 20060131; DE 502006007021 T 20061103;
ES 06022896 T 20061103; PL 06022896 T 20061103