

Title (en)  
PASSIVE PRESSURE WAVE DAMPENER SYSTEMS

Title (de)  
PASSIVE DRUCKWELLENDÄMPFUNGSSYSTEME

Title (fr)  
SYSTÈMES D'AMORTISSEUR D'ONDES DE PRESSION PASSIVES

Publication  
**EP 4339459 A1 20240320 (EN)**

Application  
**EP 22195970 A 20220915**

Priority  
EP 22195970 A 20220915

Abstract (en)  
An example system includes a passive dampener device having a chamber to hold a fluid. The passive dampener device is fluidically coupleable to a pump and a microfluidic device. The chamber has an air headspace to dampen pressure waves created by the pump in a sample fluid flow through the microfluidic device.

IPC 8 full level  
**F04B 11/00** (2006.01); **F04B 13/00** (2006.01); **F04B 19/00** (2006.01); **F04B 43/12** (2006.01)

CPC (source: EP)  
**F04B 11/0008** (2013.01); **F04B 11/0091** (2013.01); **F04B 13/00** (2013.01); **F04B 19/006** (2013.01); **F04B 43/12** (2013.01)

Citation (search report)

- [X] US 8366667 B2 20130205 - CHAN WILLIAM [US], et al
- [X] US 2018163713 A1 20180614 - MORACHIS JOSE M [US], et al
- [A] US 10221844 B2 20190305 - LOFSTROM CHRISTOPHER D [US], et al
- [A] US 10487819 B2 20191126 - GOULD PARKER A [US], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4339459 A1 20240320**

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