

Title (en)

PRESSURE PULSATION DAMPER FOR A FUEL INJECTION SYSTEM, AND FUEL INJECTION SYSTEM

Title (de)

DRUCKPULSATIONS DÄMPFER FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM SOWIE KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)

AMORTISSEUR DE PULSATIONS DE PRESSION POUR SYSTÈME D'INJECTION DE CARBURANT ET SYSTÈME D'INJECTION DE CARBURANT

Publication

EP 3353410 A1 20180801 (DE)

Application

EP 16741959 A 20160726

Priority

- DE 102015218223 A 20150923
- EP 2016067728 W 20160726

Abstract (en)

[origin: WO2017050467A1] The invention relates to a pressure pulsation damper (1) for a fuel injection system, in particular a common-rail injection system, comprising a tubular line section (2) in which a fuel duct (3) is formed, which line section is connected, by way of at least one opening (4) in the shell in the tubular line section (2), to a pressure damping chamber (5). According to the invention, the pressure damping chamber (5) is at least partially filled with gas (6) and/or comprises at least one gas-filled element (7). The invention also relates to a fuel injection system, in particular a common-rail injection system, having a pressure pulsation damper (1) of said type.

IPC 8 full level

F02M 55/04 (2006.01)

CPC (source: EP)

F02M 55/04 (2013.01); **F02M 2200/315** (2013.01)

Citation (search report)

See references of WO 2017050467A1

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

DOCDB simple family (publication)

DE 102015218223 A1 20170323; CN 108138723 A 20180608; EP 3353410 A1 20180801; EP 3353410 B1 20191016; WO 2017050467 A1 20170330

DOCDB simple family (application)

DE 102015218223 A 20150923; CN 201680055168 A 20160726; EP 16741959 A 20160726; EP 2016067728 W 20160726