

Title (en)

FUEL INJECTION SYSTEM AND DAMPER USED IN THE FUEL INJECTION SYSTEM

Title (de)

KRAFTSTOFFEINSPRITZSYSTEM UND IN DEM KRAFTSTOFFEINSPRITZSYSTEM VERWENDETER DÄMPFER

Title (fr)

SYSTÈME D'INJECTION DE CARBURANT ET CLAPET UTILISÉ DANS LE SYSTÈME D'INJECTION DE CARBURANT

Publication

**EP 3286427 B1 20191030 (EN)**

Application

**EP 16717929 A 20160421**

Priority

- JP 2015087191 A 20150422
- EP 2016058887 W 20160421

Abstract (en)

[origin: WO2016170049A1] To provide a fuel injection system and a damper used in the fuel injection system, the fuel injection system being simply configured to eliminate an effect of a high pressure peak generated at a low pressure circuit at low pressure side and preventing a high pressure pump from being complicated and growing in size. A damper (10) is arranged in and fixed to a fuel line (24, 25), the damper (10) including a fuel line portion (6, 7, 8) which has both ends provided with a pair of fuel line connecting portions (6a, 6b, 7a, 7b, 8a, 8b) connected to the fuel line (24, 25) and which has an inner portion allowing passage of the fuel; a cover portion (1, 2) forming an enclosed room (C) arranged to extend from the fuel line portion (6, 7, 8); and a pressure absorption body (3) extending in a direction which intersects with a passing direction (9) of the fuel and arranged in the enclosed room (C).

IPC 8 full level

**F02M 55/04** (2006.01); **F02M 37/00** (2006.01); **F02M 59/44** (2006.01)

CPC (source: EP)

**F02M 37/0041** (2013.01); **F02M 55/04** (2013.01); **F02M 59/44** (2013.01); **F02M 2200/315** (2013.01)

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

DOCDB simple family (publication)

**WO 2016170049 A1 20161027**; EP 3286427 A1 20180228; EP 3286427 B1 20191030; JP 2016205218 A 20161208; JP 6518119 B2 20190522

DOCDB simple family (application)

**EP 2016058887 W 20160421**; EP 16717929 A 20160421; JP 2015087191 A 20150422