

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 AMORTISSEUR UTILISÉ DANS LE SYSTÈME D'INJECTION DE CARBURANT

Publication

**EP 3286426 B1 20201021 (EN)**

Application

**EP 16717409 A 20160421**

Priority

- JP 2015087192 A 20150422
- EP 2016058894 W 20160421

Abstract (en)

[origin: WO2016170053A1] To provide a fuel injection system and a damper used in the fuel injection system, the diesel fuel injection system being simply configured to eliminate an effect of a high pressure peak which is generated at a low pressure circuit at low pressure side and preventing a high pressure pump from being complicated and growing in size. [Problem solution] A damper (10) is further arranged in and fixed to a fuel line (24, 25), the damper (10) including a fuel line portion (5, 6) which has both ends provided with a pair of fuel line connecting portions (5a, 5b, 6a, 6b, 7a, 7b) connected to the fuel line (24, 25) and which has an inner portion allowing passage of the diesel fuel; a cover portion (1, 2, 40, 42) forming an enclosed room (C) arranged to extend from the fuel line portion (5, 6, 7); and a pressure absorption body (3) arranged in the enclosed room (C).

IPC 8 full level

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

CPC (source: EP)

**F02M 37/0041** (2013.01); **F02M 55/04** (2013.01)

Citation (examination)

- DE 19528737 A1 19961114 - WALBRO CORP [US]
- DE 3119131 A1 19821209 - BOSCH GMBH ROBERT [DE]
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US11484900B2

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