

Title (en)  
Fuel injector fixing structure of a fuel injection valve of a common rail of a vehicle

Title (de)  
Befestigungsstruktur einer Kraftstoffeinspritzdüse einer Fahrzeugkraftstoffleiste

Title (fr)  
Structure de fixation d'injecteur de carburant sur la rampe de carburant d'un véhicule

Publication  
**EP 2492489 A1 20120829 (EN)**

Application  
**EP 12156854 A 20120224**

Priority  
KR 20110017424 A 20110225

Abstract (en)  
A fuel injector fixing structure of a fuel rail of a vehicle includes a main pipe having two ends connected to a plug and an end cap; a plurality of injector holders fixed onto an outer surface of the main pipe at predetermined intervals; a mounting lug disposed adjacent to the injector holder; a fuel injector detachably fixed into the injector holder; a damping member detachably attached to the fuel injector and elastically supporting the fuel injector with respect to the injector holder; and a fixing member for detachably fixing the fuel injector on to the injector holder. Accordingly, since a fuel injector is elastically supported by a damping member and is fixed by an additional fixing member, a high pressure applied to the fuel injector when the fuel injector injects fuel may be absorbed and departure of the fuel injector when a fuel rail is transferred, assembled, removed, or replaced may be prevented while the role and function of the damping member is maintained.

IPC 8 full level  
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CPC (source: EP KR)  
**F02M 55/02** (2013.01 - KR); **F02M 55/025** (2013.01 - EP); **F02M 61/14** (2013.01 - EP KR); **F02M 61/168** (2013.01 - EP); **F02M 69/465** (2013.01 - EP); **F02M 2200/16** (2013.01 - EP); **F02M 2200/8023** (2013.01 - EP); **F02M 2200/856** (2013.01 - EP)

Citation (search report)  
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