

Title (en)

ASSEMBLY FOR A FUEL INJECTION SYSTEM WITH A FUEL INJECTION VALVE AND A DECOUPLING ELEMENT

Title (de)

ANORDNUNG FÜR EINE BRENNSTOFFEINSPRITZANLAGE MIT EINEM BRENNSTOFFEINSPRITZVENTIL UND EINEM ENTKOPPELELEMENT

Title (fr)

DISPOSITIF POUR UN SYSTÈME D'INJECTION DE CARBURANT COMPRENANT UN INJECTEUR DE CARBURANT ET UN ÉLÉMENT DE DÉCOUPLAGE

Publication

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Application

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Abstract (en)

[origin: WO2014079609A1] A decoupling element (3) serves to decouple a fuel injection valve (2) from a cylinder head. The decoupling element (3) has a main body (6) which serves to enclose a housing (5) of the fuel injection valve (2) in the assembled state. Here, a cylinder-side support region (7) which serves for supporting on the cylinder head (4) is formed on the main body (6). Furthermore, a valve-side supporting region (8) which serves for supporting the fuel injection valve (2) is formed on the main body (6). When the fuel injection valve (2) is supported between the valve-side supporting region (8) and the cylinder-side support region (7), the main body (6) is subjected to a compressive load. Here, only the cylinder-side support region (7) of the main body (6) is configured in the form of a closed ring, whereas the main body (6) has segments (15-18) which are distributed over a circumference and are connected to one another by the closed ring (20) of the cylinder-side support region (7). Here, the decoupling element (3) makes it possible to reduce the transmission of sound from the fuel injection valve (2) to the cylinder head (4). Furthermore, an arrangement (1) with a decoupling element (3) of this type and a fuel injection valve (2) is described.

IPC 8 full level

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CPC (source: EP US)

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