

Title (en)

ARRANGEMENT WITH A FUEL DISTRIBUTER AND MULTIPLE FUEL INJECTION VALVES

Title (de)

ANORDNUNG MIT EINEM BRENNSTOFFVERTEILER UND MEHREREN BRENNSTOFFEINSPRITZVENTILEN

Title (fr)

ENSEMBLE COMPRENANT UN DISTRIBUTEUR DE COMBUSTIBLE ET PLUSIEURS SOUPAPES D'INJECTION DE COMBUSTIBLE

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Application

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Abstract (en)

[origin: WO2013160064A1] The invention relates to an arrangement (1) which is used in particular as a fuel injection system for high-pressure fuel injection in internal combustion engines, comprising a fuel distributor (2) and multiple fuel injection valves (3, 4). Each of the fuel injection valves (3, 4) is arranged on a cup (9, 10) of the fuel distributor (2). At least one of the fuel injection valves (3, 4) is secured to the corresponding cup (9) by means of a retaining bracket (16). The retaining bracket (16) has at least one bracket portion (17) which is arranged between an inner face (18) of the cup (9) and an outer face (19) of the fuel injection valve (3). Furthermore, at least one composite damping element (11) is provided which is arranged between the bracket portion (17) of the retaining bracket (16) and the outer face (19) of the fuel injection valve (3). The composite damping element (11) has an elastically deformable damping layer (22). A decoupling is thus achieved which has a vibration-damping effect and thus a noise-reducing effect.

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