

Title (en)
CONTACT DEVICE FOR AN INJECTOR OF A FUEL-INJECTION SYSTEM, IN ADDITION TO AN INJECTOR COMPRISING A CONTACT DEVICE

Title (de)
KONTAKTIERVORRICHTUNG FÜR EINEN INJEKTOR EINES EINSPRITZSYSTEMS FÜR DIE KRAFTSTOFFEINSPRITZUNG SOWIE INJEKTOR MIT EINER KONTAKTIERVORRICHTUNG

Title (fr)
DISPOSITIF DE CONTACT D'UN INJECTEUR D'UN SYSTEME D'INJECTION DESTINE A L'INJECTION DE CARBURANT ET INJECTEUR EQUIPE DE CE DISPOSITIF DE CONTACT

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Application
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Abstract (en)
[origin: WO2004085826A1] A common problem in modern common rail injection systems, in particular those with a rapid injection rate, is that undesirable dispersions occur for the quantity of fuel that is to be injected. A fundamental cause is that it is never known at exactly what point the valve needle (3) rests on its valve seat (37) or when the upper section of the valve needle (3) strikes the second stop. The invention thus provides a contact device for an injector (13) of an injection system, said device being used to monitor the position of the valve needle (3) on its valve seat (37) or its second stop on a first housing part (1). The electric contact (31;45) and the current supply (electric line 34) are located outside the fuel-filled high-pressure zone of the injector (13), thus preventing any sealing problems of the injector (13).

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