Title (en)
VALVE FOR CONTROLLING FLUIDS AND METHOD FOR MEASURING PRESSURES

Title (de)
VENTIL ZUM STEUERN VON FLUIDEN SOWIE VERFAHREN ZUR BESTIMMUNG VON DRÜCKEN

Title (fr)
SOUPAPE POUR LE TRANSPORT DE FLUIDES ET PROCEDES POUR DETERMINER DES PRESSIONS

Publication
EP 1399665 A1 20040324 (DE)

Application
EP 02754189 A 20020607

Priority
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- DE 10127932 A 20010608

Abstract (en)
[origin: DE10127932A1] Fuel injector comprises a valve member (3) in a housing (11) in order to provide a connection to or shut off an adjacent space. The valve member is operated by an activation element (2) with a spring element (10) that springs the valve member in a tensioning direction. The valve member has a sensor element that supplies pressure measurements in the combustion chamber into which fuel is injected. The pressure information is transferred to the valve member. Independent claims are made for a method for measuring the pressure or pressure changes in the combustion chamber of a cylinder head and transmission of such information to the valve member; and use of a piezoelectric or magnetostrictive actuator in a fuel injector either for direct or indirect operation of the valve member.

IPC 1-7
F02M 51/06; F02M 57/00; F02M 61/08; F02M 61/16; G01M 15/00

IPC 8 full level
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