

Title (en)

DETECTION METHOD FOR DETECTING A GAP SIZE OF A GAP BETWEEN AN INJECTOR VALVE ASSEMBLY AND PIEZO STACK, AND ACTUATION METHOD FOR ACTUATING AN ACTUATOR UNIT IN A PIEZO STACK

Title (de)

ERFASSUNGSVERFAHREN ZUM ERFASSEN EINER SPALTGRÖSSE EINES SPALTES ZWISCHEN EINER INJEKTORVENTILBAUGRUPPE UND EINEM PIEZOSTAPEL SOWIE ANSTEUERUNGSVERFAHREN ZUM ANSTEUERN EINER AKTOREINHEIT IN EINEM PIEZOSTAPEL

Title (fr)

PROCÉDÉ DE DÉTECTION POUR LA DÉTECTION D'UNE DIMENSION D'UN INTERSTICE ENTRE UN MODULE DE SOUPAPE D'INJECTION ET UN EMPILEMENT PIÉZOÉLECTRIQUE, AINSI QUE PROCÉDÉ DE COMMANDE POUR LA COMMANDE D'UNE UNITÉ D'ACTIONNEUR DANS UN EMPILEMENT PIÉZOÉLECTRIQUE

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Abstract (en)

[origin: WO2017041923A1] The invention relates to a detection method for detecting a gap size (34) of a gap (32) between an injector valve assembly (12) of an internal combustion engine and a piezo stack (14) which is designed to actuate the injector valve assembly (12), wherein a time period (Δt) which is necessary for frictional engagement to occur between the injector valve assembly (12) and the piezo stack (14) to occur is determined, and the gap size (34) of the gap (32) is then determined from this time period (Δt). Furthermore, the invention relates to an actuation method for actuating an actuator unit (22) in the piezo stack (14) actuator unit in which, the detection method is carried out.

IPC 8 full level

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