

Title (en)

Apparatus to actively control and compensate vibration forces and automobile incorporating this apparatus

Title (de)

Vorrichtung zur aktiven Kompensation von Schwingungen und Kraftfahrzeug mit dieser Vorrichtung

Title (fr)

Dispositif de contrôle actif pour compenser des efforts générateurs de vibrations et véhicule automobile comprenant un tel dispositif.

Publication

EP 1717438 A1 20061102 (FR)

Application

EP 06300413 A 20060427

Priority

FR 0504383 A 20050429

Abstract (en)

The active controller designed to compensate for vibrations generated by an I.C. engine fuel injector nozzle-holder actuator (1) consists of a second actuator (3) mounted on top of the first and generating forces in opposite phase to the vibrations. The second actuator, mounted the opposite way round to the first, is controlled by the same means as the first and has a system (4) for generating a mechanical resistance to the second actuator equivalent to that met by the first. The two actuators can be piezoelectric or electromagnetic and are controlled by an identical electrical current.

IPC 8 full level

F02M 51/06 (2006.01)

CPC (source: EP)

F02M 51/0603 (2013.01); **F02M 61/16** (2013.01); **F02M 63/0026** (2013.01); **F02M 63/0064** (2013.01); **F02M 2200/306** (2013.01)

Citation (search report)

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- [X] WO 0017944 A1 20000330 - RICHTER HANS [DE]
- [Y] EP 0987430 A2 20000322 - LUCAS INDUSTRIES LTD [GB]

Cited by

CN109268170A; CN102374085A; CN101798977A; CN103184960A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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