

Title (en)

Electromagnetic injector control valve or pressure regulator valve for a high pressure fuel accumulator

Title (de)

Elektromagnetisches Steuerventil eines Injektors oder zur Druckregulierung eines Hochdruckkraftstoffakkumulators

Title (fr)

Soupape électromagnétique de commande d'un injecteur ou de régulation de pression d'un accumulateur de carburant à haute pression.

Publication

EP 2333298 B1 20121031 (FR)

Application

EP 10190332 A 20101108

Priority

FR 0905823 A 20091202

Abstract (en)

[origin: EP2333298A1] The valve has a casing with upper portion (1) and a lower portion (2), an electromagnet formed of an electromagnetic coil (25) housed in a yoke (24), and an armature (22). An abutment disk (28) is provided between a transverse face of the armature and a transverse face of the yoke, and is made of magnetized or magnetizable material. A bearing surface of the abutment disk is reduced by cutouts. The abutment disk protrudes laterally beyond the yoke, and transmits impact forces applied against the casing during operation.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 51/061 (2013.01 - EP US); **F02M 61/166** (2013.01 - EP US); **F02M 63/0015** (2013.01 - EP US); **F02M 63/007** (2013.01 - EP US); **F02M 63/0075** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 2200/07** (2013.01 - EP US)

Cited by

WO2013182366A1; FR2991728A1; FR2991727A1; CN104334868A; DE102014206054A1; DE102014206060A1; US9410522B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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