

Title (en)

CONTROL MODULE FOR AN INJECTOR OF AN ACCUMULATOR INJECTION SYSTEM

Title (de)

STEUERMODUL FÜR EINEN INJEKTOR EINES SPEICHEREINSPRITZSYSTEMS

Title (fr)

MODULE DE COMMANDE DESTINE A UN INJECTEUR D'UN SYSTEME D'INJECTION A ACCUMULATEUR

Publication

EP 1402170 B1 20080116 (DE)

Application

EP 02754296 A 20020701

Priority

- DE 0202383 W 20020701
- DE 10131953 A 20010702

Abstract (en)

[origin: WO03004862A1] The invention relates to a control module (1) for an injector of an accumulator injection system, used to control and guide a valve body (8). Said control module comprises a high pressure supply line (2) for supplying fuel, and a guiding device (3) for guiding the valve body (8). A control room (4), an inlet throttle (5) and an outlet throttle (6) are also provided. The inlet throttle (5) connects the high pressure supply line (2) to the control chamber (4) and the outlet throttle (6) connects the control chamber (4) to a control valve (15). A control piston (7) is arranged in the control chamber (4), the end of said control piston opposite the control chamber (4) being connected to a high pressure region (9) on the valve body (8).

IPC 8 full level

F02M 47/02 (2006.01); **F02M 61/10** (2006.01); **F02M 47/00** (2006.01); **F02M 61/16** (2006.01); **F02M 61/20** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP US)

F02M 47/02 (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 61/168** (2013.01 - EP US); **F02M 61/1866** (2013.01 - EP US); **F02M 2200/21** (2013.01 - EP US); **F02M 2547/003** (2013.01 - EP US)

Citation (examination)

- EP 0333096 A2 19890920 - YAMAHA MOTOR CO LTD [JP]
- EP 0427266 A1 19910515 - YAMAHA MOTOR CO LTD [JP]

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 03004862 A1 20030116; DE 10131953 A1 20030123; DE 50211560 D1 20080306; EP 1402170 A1 20040331; EP 1402170 B1 20080116; EP 1402170 B8 20080319; JP 2004532956 A 20041028; JP 4200096 B2 20081224; US 2004169094 A1 20040902; US 6986474 B2 20060117

DOCDB simple family (application)

DE 0202383 W 20020701; DE 10131953 A 20010702; DE 50211560 T 20020701; EP 02754296 A 20020701; JP 2003510602 A 20020701; US 75103603 A 20031231