

Title (en)
VALVE ACTUATING DEVICE

Title (de)
VENTILTRIEBVORRICHTUNG

Title (fr)
DISPOSITIF D'ACTIONNEMENT DE SOUPAPES

Publication
EP 1751403 B1 20071107 (FR)

Application
EP 05762748 A 20050519

Priority
• FR 2005050345 W 20050519
• FR 0450999 A 20040519

Abstract (en)
[origin: WO2005112543A1] The invention relates to an actuating device that actuates at least one valve pair (1) of an internal combustion engine, housed inside a housing (2) comprising, for each valve (1), magnetizing means (4, 5), at least one spring (6) that acts upon the valve (1), and comprising a fixed end connected to an adjustable stop (16), and a moving end connected in a translatory manner to the valve (1), the adjustable stop (16) comprising meshing means (26) that can interact with mating meshing means (8) of a control element (10) whereby adjusting the tare of the spring (6). The invention is characterized in that the control element (10) is placed in a fixed manner inside the housing (2) next to the adjustable stops (16) of the two valves (1) of the same pair. The housing (2) comprises means for selectively guiding and positioning the control element (10) in two meshing positions respectively with the two adjustable stops (16).

IPC 8 full level
F01L 3/10 (2006.01); **F01L 9/20** (2021.01)

CPC (source: EP US)
F01L 3/10 (2013.01 - EP US); **F01L 9/20** (2021.01 - EP US); **F01L 2009/2136** (2021.01 - EP US); **F01L 2303/01** (2020.05 - EP US)

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005112543 A1 20051201; AT E377697 T1 20071115; DE 602005003222 D1 20071220; DE 602005003222 T2 20080828;
EP 1751403 A1 20070214; EP 1751403 B1 20071107; ES 2296208 T3 20080416; FR 2870563 A1 20051125; FR 2870563 B1 20060630;
JP 2007538195 A 20071227; JP 4879171 B2 20120222; US 2008163834 A1 20080710; US 7540265 B2 20090602

DOCDB simple family (application)
FR 2005050345 W 20050519; AT 05762748 T 20050519; DE 602005003222 T 20050519; EP 05762748 A 20050519; ES 05762748 T 20050519;
FR 0450999 A 20040519; JP 2007517378 A 20050519; US 56942005 A 20050519