

Title (en)

Production process of a support plate for throttle bodies and support plate

Title (de)

Herstellungsverfahren einer Trägerplatte für Drosselkörper und Trägerplatte

Title (fr)

Procédé de réalisation d'une plaque support pour corps de clapets et plaque support

Publication

EP 2088303 B1 20101201 (FR)

Application

EP 09305061 A 20090122

Priority

FR 0850726 A 20080205

Abstract (en)

[origin: EP2088303A1] The method involves over-molding a journal for a valve body (5) and a mounting pin (13) on a control axle at the level of each controlled conduit portion (4). The valve body is mounted on the journal by sliding the valve body on the control axle from a position at the level of a portion (19) of a base armature (22) towards the adjacent conduit portion. The mounting pin is inserted in a bearing (7) by sliding the control axle until the axle engages into the bearing located at the level of an end (6') of the base armature. An independent claim is also included for a support plate for a valve body, mounted between a cylinder head of a heat engine of a motor vehicle and a distributor or intake manifold, comprising fixation units.

IPC 8 full level

F02D 9/10 (2006.01); **F02M 35/108** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP US)

F02D 9/107 (2013.01 - EP US); **F02D 9/1095** (2013.01 - EP US); **F02M 35/10085** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/10347** (2013.01 - EP US); **F02M 35/108** (2013.01 - EP US); **F02D 9/106** (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US); **Y10T 29/49405** (2015.01 - EP US)

Cited by

FR2960806A1; FR2983250A1; CN104093954A; US9617956B2; WO2013079846A1; EP2785999B1; EP2785999B2

Designated contracting state (EPC)

DE FR

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EP 2088303 A1 20090812; **EP 2088303 B1 20101201**; DE 602009000380 D1 20110113; FR 2927124 A1 20090807; FR 2927124 B1 20130222; JP 2009185808 A 20090820; US 2009194060 A1 20090806; US 8082900 B2 20111227

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