

Title (en)

Intake manifold comprising a device for regulating flow in a duct portion or an intake passage and manufacturing method of the same

Title (de)

Einlasskrümmung mit einer Durchflusssteuervorrichtung in einem Leitungsabschnitt oder Durchgang, sowie deren Herstellungsverfahren

Title (fr)

Collecteur d'admission comprenant un dispositif de régulation de l'écoulement dans une portion de conduit ou un passage et son procédé de fabrication

Publication

**EP 1212525 B1 20060726 (FR)**

Application

**EP 00960770 A 20000831**

Priority

- FR 0002413 W 20000831
- FR 9910999 A 19990831

Abstract (en)

[origin: US6895926B1] The invention concerns a device for regulating flow in a duct portion or an intake passage and a manifold comprising such a device. The device is characterized in that each valve ( 3 )/control pin ( 4 ) assembly is incorporated in the structure of said duct portion ( 2 ) or in the structure of the part ( 1 ) comprising at least a duct portion ( 2 ), at the opening of through passage, being enclosed, with the possibility of rotating between two matching parts ( 2', 2 '' or 1', 1 '' ) forming by being assembled said duct portion ( 2 ) or said part ( 1 ) and being mounted in corresponding housing recesses ( 5, 5' ) provided in the walls of duct portions ( 2 ) and/or in one or several separate corresponding bearing(s) ( 6 ).

IPC 8 full level

**F02D 9/10** (2006.01); **F02M 35/104** (2006.01); **F02D 9/02** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP US)

**F02D 9/1095** (2013.01 - EP US); **F02M 35/10255** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/10354** (2013.01 - EP US); **F02M 35/1085** (2013.01 - EP US); **F02D 9/107** (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6895926 B1 20050524**; AT E334305 T1 20060815; DE 60029598 D1 20060907; DE 60029598 T2 20070719; EP 1212525 A1 20020612; EP 1212525 B1 20060726; FR 2797931 A1 20010302; FR 2797931 B1 20011005; JP 2003508668 A 20030304; JP 4549596 B2 20100922; WO 0116473 A1 20010308

DOCDB simple family (application)

**US 6950702 A 20020814**; AT 00960770 T 20000831; DE 60029598 T 20000831; EP 00960770 A 20000831; FR 0002413 W 20000831; FR 9910999 A 19990831; JP 2001519999 A 20000831