

Title (en)

Throttle body having fuel injection valve

Title (de)

Drosselklappengehäuse mit Kraftstoffeinspritzdüse

Title (fr)

Corps de papillon doté d'une soupape d'injection de carburant

Publication

EP 2169211 B1 20160210 (EN)

Application

EP 09171587 A 20090929

Priority

JP 2008254841 A 20080930

Abstract (en)

[origin: EP2169211A1] In a throttle body (T1) having fuel injection valves, an intake passage (17) is formed to have a transverse cross-section thereof in an oblong circle having a long diameter (L) extending in a direction in which paired branched paths (8a, 8a), which are formed in downstream portions of an intake port (8) of an engine (E), are arranged, and a short diameter (S) extending orthogonal to the long diameter (L); and paired fuel injection valves (28, 28) are attached to a sidewall, extending along the long diameter (L), of the throttle body (T1, T2) so as to be arranged along the long diameter (L), and to be allowed to inject fuel toward the paired branched paths (8a, 8a), respectively. Accordingly it is possible to secure a wide attachment space in the sidewall of the throttle body, to easily attach the paired parallel fuel injection valves thereto, and cause the fuel injection valves to inject fuel in adequate directions to the respective paired intake passages.

IPC 8 full level

F02M 61/14 (2006.01); **F02M 35/104** (2006.01); **F02M 35/108** (2006.01); **F02M 69/04** (2006.01)

CPC (source: EP US)

F02D 9/109 (2013.01 - EP); **F02M 35/10085** (2013.01 - EP); **F02M 35/10124** (2013.01 - EP); **F02M 35/10177** (2013.01 - EP); **F02M 35/10216** (2013.01 - EP); **F02M 35/1085** (2013.01 - EP US); **F02M 35/116** (2013.01 - EP US); **F02M 69/044** (2013.01 - EP)

Cited by

CN105443290A; EP4212715A1

Designated contracting state (EPC)

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