Title (en)

INTAKE SYSTEM FOR ENGINE

Title (de)

MOTOREINLASSVORRICHTUNG

Title (fr)

DISPOSITIF D'ADMISSION DE MOTEUR

Publication

EP 1384874 B1 20101208 (EN)

Application

EP 02720533 A 20020419

Priority

- JP 0203948 W 20020419
- JP 2001132575 A 20010427

Abstract (en)

[origin: EP1384874A1] In an intake system for an engine, a joint surface (11a) of a device block (11) is coupled to a mounting surface (1a) of a throttle body (1) parallel to an intake passage (2), and a bypass passage (15) is comprised of a bypass inlet bore (20) provided to permit the communication between an upstream portion of the intake passage (2) and the mounting surface (1a), a bypass outlet bore (21) provided to permit the communication between a downstream portion of the intake passage (2) and the mounting surface (1a), an upstream groove (16) defined in the joint surface (11a), a downstream groove (17) defined in the joint surface (11a), and a valve chest (22) provided to permit the communication between the upstream groove (16) and the downstream groove (17). The bypass valve (25) facing the valve chest (22) and an actuator (28) are disposed in the device block (11) in parallel to the joint surface (11a), and a throttle sensor (8) is disposed in the device block (11). Thus, it is possible to compactly construct the intake system of the engine including the bypass valve and the actuator for the bypass valve, leading to enhancements in workability and assemblability. <IMAGE>

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1422419A4; EP1785615A1; EP1734236A4; TWI403640B

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