

Title (en)
Engine intake system

Title (de)
Ansaugsystem für einen Motor

Title (fr)
Système d'admission de moteur

Publication
EP 1867852 B1 20090729 (EN)

Application
EP 07010979 A 20070604

Priority
JP 2006163721 A 20060613

Abstract (en)
[origin: EP1867852A2] An engine intake system includes: a bypass (15) bypassing a throttle valve (7) and connected to an intake path (2); and a bypass valve (20) for regulating an opening degree of the bypass (15). A part of the bypass (15) includes: an inlet port (15a) provided in a throttle body (1) so that the inlet port (15a) is open in the intake path (2) at a position upstream of the throttle valve (7); a valve hole (15b) provided in the throttle body (1) so as to fittingly receive therein the bypass valve (20); and an outlet port (15f) provided in the throttle body (1) so that the outlet port (15f) is open in the intake path (2) at a position downstream of the throttle valve (7). The valve hole (15b) is arranged on a side opposite from the outlet port (15f) with the throttle valve (7) interposed therebetween, and at a position above the outlet port (15f) and parallel with the shaft-receiving hole (5, 6) supporting a valve shaft (7a) of the throttle valve (7). Thus, there is provided a small engine intake system in which engine blowback has a difficulty in reaching a bypass valve, and which has an excellent productivity.

IPC 8 full level
F02D 9/10 (2006.01)

CPC (source: EP)
F02D 9/105 (2013.01); **F02D 9/1055** (2013.01); **F02D 11/10** (2013.01); **F02D 9/107** (2013.01)

Cited by
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DE FR IT

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EP 1867852 A2 20071219; EP 1867852 A3 20080409; EP 1867852 B1 20090729; BR PI0702765 A 20080219; BR PI0702765 B1 20180703; DE 602007001726 D1 20090910; JP 2007332829 A 20071227; JP 4690950 B2 20110601

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