Title (en)

AIR INTAKE DEVICE FOR ENGINE FOR TWO-WHEELED MOTOR VEHICLE

Title (de)

LUFTEINLASSVORRICHTUNG FÜR EINEN MOTOR EINES ZWEIRÄDRIGEN KRAFTFAHRZEUGS

Title (fr)

DISPOSITIF D'ADMISSION D'AIR POUR MOTEUR DE VÉHICULE À MOTEUR À DEUX ROUES

Publication

EP 2977593 A1 20160127 (EN)

Application

EP 14770552 A 20140311

Priority

- JP 2013057732 A 20130321
- JP 2014056254 W 20140311

Abstract (en)

An air intake device for an engine for a two-wheeled motor vehicle is provided in which a throttle sensor (18), an air intake temperature sensor (19) and an air intake pressure sensor (20) are disposed so that the centers thereof are positioned on apexes of a triangle (35) on a sensor housing (17) further upstream in an air intake path (2) than an axis (Y) of a valve shaft (5a), the air intake pressure sensor (20) is disposed so that the center thereof is on the uppermost apex of the triangle (35), the throttle sensor (18), and the air intake temperature sensor (19) and the air intake pressure sensor (20) are disposed in a concentrated manner further upstream in the air intake path (2) than the axis (Y) of the valve shaft (5a) in the sensor housing (17). Thus, it becomes possible to reduce the axial length of the throttle body (1) further downstream in the air intake path (2) than the valve shaft (5 a) without interfering with the air intake pressure sensor (19) in particular, and it also becomes possible to make the throttle body (1) compact, lighten the weight, and at the same time make the sensor housing compact (17).

IPC 8 full level

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

CPC (source: EP)

F02D 9/1035 (2013.01); **F02D 9/105** (2013.01); **F02M 35/1038** (2013.01)

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