

Title (en)

AIR INTAKE CONTROL DEVICE FOR ENGINE

Title (de)

LUFTEINLASSSTEUERVORRICHTUNG FÜR EINEN MOTOR

Title (fr)

DISPOSITIF DE COMMANDE D'ADMISSION D'AIR POUR MOTEUR

Publication

**EP 2400131 A4 20121017 (EN)**

Application

**EP 10755906 A 20100315**

Priority

- JP 2010054324 W 20100315
- JP 2009070030 A 20090323

Abstract (en)

[origin: EP2400131A1] In an air intake control device for an engine, a throttle body (1) includes a drum portion (1a) and a flange portion (1b) protruding from an outer periphery of one end portion of the drum portion (1a) and having an end surface in an substantially square form; first and second fastening bosses (2, 2') are integrally formed respectively at corner portions of the flange portion (1b), the corner portions being positioned respectively at diagonal positions of the flange portion (1b); first and second bearing bosses (9, 9') supporting a valve stem (8a) of a throttle valve (8) are formed over the flange portion (1b) and the drum portion (1a); one of a full-closing-stopper boss (20) and a stay boss (15), which are positioned so as to interpose the first bearing boss (9), is continuously provided to the first fastening boss (2) in the flange portion (1b), while the other is formed in the flange portion (1b); a stopper bolt (21) for restricting a full-closing position of the throttle valve (8) is screwed to the full-closing-stopper boss (20); and a screw (16) fixing a guide tube stay (13) supporting a guide tube (12) of an operation wire (11) is screwed to the stay boss (15). With this configuration, reduction in size of the throttle body is possible.

IPC 8 full level

**F02D 9/10** (2006.01)

CPC (source: EP)

**F02D 9/104** (2013.01); **F02D 9/105** (2013.01); **F02D 9/1055** (2013.01); **F02D 11/04** (2013.01); **F02D 11/106** (2013.01); **F02D 2200/0404** (2013.01)

Citation (search report)

- [A] US 2001047797 A1 20011206 - TAKANO HIROYUKI [JP], et al
- [A] JP H0343632 A 19910225 - NIPPON DENSO CO
- [A] US 2007125340 A1 20070607 - ARAI TOSHIO [JP], et al
- See references of WO 2010110108A1

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