Title (en)

THROTTLE BODY ASSEMBLY FOR UNITARY COMBUSTION CHAMBER

Title (de)

DROSSELKLAPPENANORDNUNG FÜR EINHEITLICHE BRENNKAMMER

Title (fr)

ENSEMBLE CORPS DE PAPILLON POUR CHAMBRE DE COMBUSTION UNITAIRE

Publication

EP 3845751 A1 20210707 (EN)

Application

EP 19870492 A 20191004

Priority

- JP 2018192337 A 20181011
- JP 2019039252 W 20191004

Abstract (en)

To reduce the size of a throttle body assembly for a single combustion chamber comprising a single throttle body forming a single airflow passage connected to a single combustion chamber, a single throttle valve arranged in the single airflow passage and regulating an amount of air taken into the single combustion chamber, an electric-powered valve drive mechanism, which is for driving the single throttle valve, and an intake state detection board unit for detecting the state of air flowing through the single airflow passage. The deceleration mechanism is arranged to the right (or the left) of the single throttle valve in the left-right direction, and the intake state detection sensor circuit board is arranged to the left (or the right) of the single throttle valve in the left-right direction. At least one of the sensor holes overlaps each of the intake state detection sensor circuit board housing case and the valve drive mechanism housing case when viewed in the left direction or the right direction.

IPC 8 full level

F02D 9/10 (2006.01); **F02D 11/10** (2006.01); **F02D 45/00** (2006.01)

CPC (source: EP)

F02D 9/1035 (2013.01); **F02D 9/1065** (2013.01); **F02D 11/10** (2013.01); F02B 61/02 (2013.01); F02D 9/105 (2013.01); F02D 2200/0404 (2013.01); F02D 2200/0406 (2013.01); F02D 2200/0414 (2013.01)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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