

Title (en)

STRADDLED VEHICLE EQUIPPED WITH INDEPENDENT THROTTLE ENGINE

Title (de)

SATTELFahrzeug MIT DARAUf ANGEBRACHTeM UNABHÄNGIGeM DROSSELKLAPPeNMOTOR

Title (fr)

VÉHICULE DU TYPE À SELLE DOTÉ DE MOTEUR À PAPILLON INDÉPENDANT MONTÉ SUR LE VÉHICULE

Publication

**EP 3640464 B1 20220921 (EN)**

Application

**EP 18835837 A 20180601**

Priority

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- JP 2018021152 W 20180601

Abstract (en)

[origin: EP3640464A1] The present teaching aims to provide a straddled vehicle equipped with an independent throttle engine capable of achieving both a degree of design freedom for catalyst layout and an early activation of a catalyst. The present teaching provides a straddled vehicle equipped with an independent throttle engine, the vehicle including an independent throttle engine, an exhaust passage, a silencer, a catalyst, a magnet type motor, an electricity storage device, a driven member, and a control section. The control section operates the magnet type motor and the independent throttle engine such that, at a time of a cold start, firstly, the magnet type motor uses electricity in the electricity storage device to cause forward rotation of the crankshaft with a combustion action of the independent throttle engine stopped, until a rotation speed of the crankshaft exceeds an idling rotation speed of the independent throttle engine, and then in a state where the rotation speed of the crankshaft exceeds the idling rotation speed of the independent throttle engine, the independent throttle engine supplies air through each throttle valve as well as a fuel to each cylinder and starts the combustion action.

IPC 8 full level

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