

Title (en)

Supercharger control for a supercharged internal combustion engine.

Title (de)

Laderantrieb für aufgeladenen Verbrennungsmotor.

Title (fr)

Dispositif de contrôle d'un surpresseur pour moteur à explosion suralimenté.

Publication

**EP 0151407 A1 19850814 (EN)**

Application

**EP 85100382 A 19850116**

Priority

- JP 681484 A 19840118
- JP 681584 A 19840118
- JP 1304884 A 19840127
- JP 1565584 A 19840130

Abstract (en)

A supercharged engine including a supercharger comprising a rotor having an axis of rotation and formed with a plurality of mutually separated, axially extending gas passages, and a casing supporting the rotor for rotation about the axis of rotation, the casing being formed with an exhaust gas inlet port and outlet opposing to an end of the rotor and offset with respect to each other in the direction of rotor rotation. The casing is further formed, at an end of the rotor opposite to the end to which the exhaust gas inlet and outlet ports are opposing, with an intake gas inlet and outlet port. There is provided an electric motor for rotationally driving the rotor of the supercharger and an electric control unit for controlling the operation of the motor so that the ratio of the speed of the motor to the speed of the engine is changed in accordance with the engine operating condition.

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IPC 8 full level

**F02B 33/42** (2006.01); **F02B 39/10** (2006.01); **F04F 11/02** (2006.01); **F04F 13/00** (2009.01)

IPC 8 main group level

**F04F 99/00** (2009.01)

CPC (source: EP)

**F02B 33/42** (2013.01); **F02B 39/10** (2013.01); **F04F 13/00** (2013.01)

Citation (search report)

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