

Title (en)
ENGINE UNIT AND VEHICLE

Title (de)
MOTOREINHEIT UND FAHRZEUG

Title (fr)
UNITÉ DE MOTEUR ET VÉHICULE

Publication
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Application
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Abstract (en)
[origin: EP3051118A1] The present invention provides, for example, an engine unit that has a high-load region and a low-load region and that can achieve mountability to vehicle and shortening of the length of time required for restarting after a combustion stop instruction. The engine unit includes a four-stroke engine body, a three-phase brushless motor, an inverter, and a control device. After a combustion operation of the four-stroke engine body and forward rotation of a crankshaft are stopped, the control device controls a voltage applied from a battery to the three-phase brushless motor by controlling a plurality of switching parts of the inverter under a state where a start instruction is not received while the combustion operation of the four-stroke engine body and the forward rotation of the crankshaft are stopped, to drive the crankshaft in forward rotation from a stopped position to a compression stroke included in four strokes. Upon receiving the start instruction, the control device drives the crankshaft in forward rotation from a position where the crankshaft is located at a time point when the start instruction is received.

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Citation (search report)
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