

ABSTRACT

The present invention aims at providing a drive unit for vehicles, which can prevent the rise of temperature of a high-pressure battery (condenser).

5 In the present invention, a drive unit 10, which assists the traveling or traveling by an engine 11 using a motor 12 (generator) activated by an electric current supplied from a high-pressure battery 17, is disclosed.

10 The drive unit 10 has a battery temperature sensor T and battery ammeter sensor A, and defines the permissible current value of input-and-output current, which is limit of a current value to be inputted-and-outputted with respect to the battery, based on the difference between the battery temperature and the upper limit. This setting of the permissible current value is
15 carried out when the battery temperature TB exceeds the threshold temperature. If the exchanged current value of the output-and-input current exceeds the permissible current value, motor (generator) 12 makes the output command value CP gradually smaller.

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