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**TAKAZAWA et al.**(10) **Pub. No.: US 2022/0360100 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **STORAGE BATTERY DEVICE AND  
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**ABSTRACT**

A device according to one embodiment includes a first battery to output alternating-current power for driving a motor and connected to a first main circuit that is connected to an inverter; a second battery connected to a second main circuit, having a storage capacity larger than it of the first battery, and having a permissible power output per unit storage capacity smaller than it of the first battery; a DC/DC converter to convert a voltage of the second main circuit to a predetermined voltage and output to the first main circuit; a control circuit to control charging and discharging operations of the first and the second battery and an operation of the DC/DC converter; a first terminal connected to a positive terminal of the first battery; and a second terminal connected to a negative terminal of the first battery.

