

FIG. 1

1

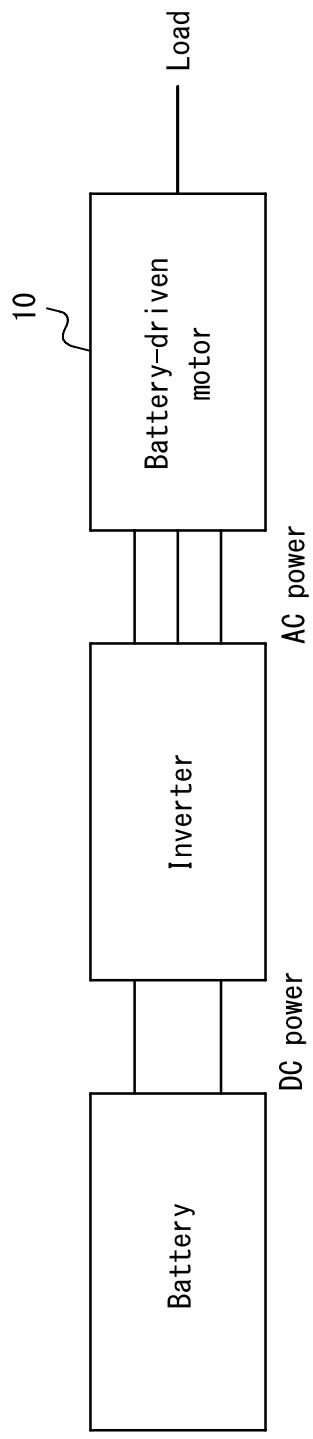
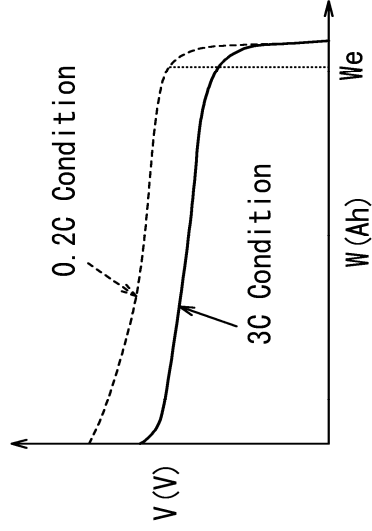


FIG. 2



Evaluate constant current (CC) discharge properties
by a charge-discharge device

Calculate battery loss from a difference in
voltage drop curves at 0.2 C and at a maximum output C rate

$$\text{Maximum output battery loss } W_b \text{ (W)} = \frac{\text{Energy (Wh)}}{\text{Discharge time (h)}} = \frac{\int_0^{W_e} V(0.2C) dW - \int_0^{W_e} V(C_{max}) dW}{1/C_{max}}$$

FIG. 3

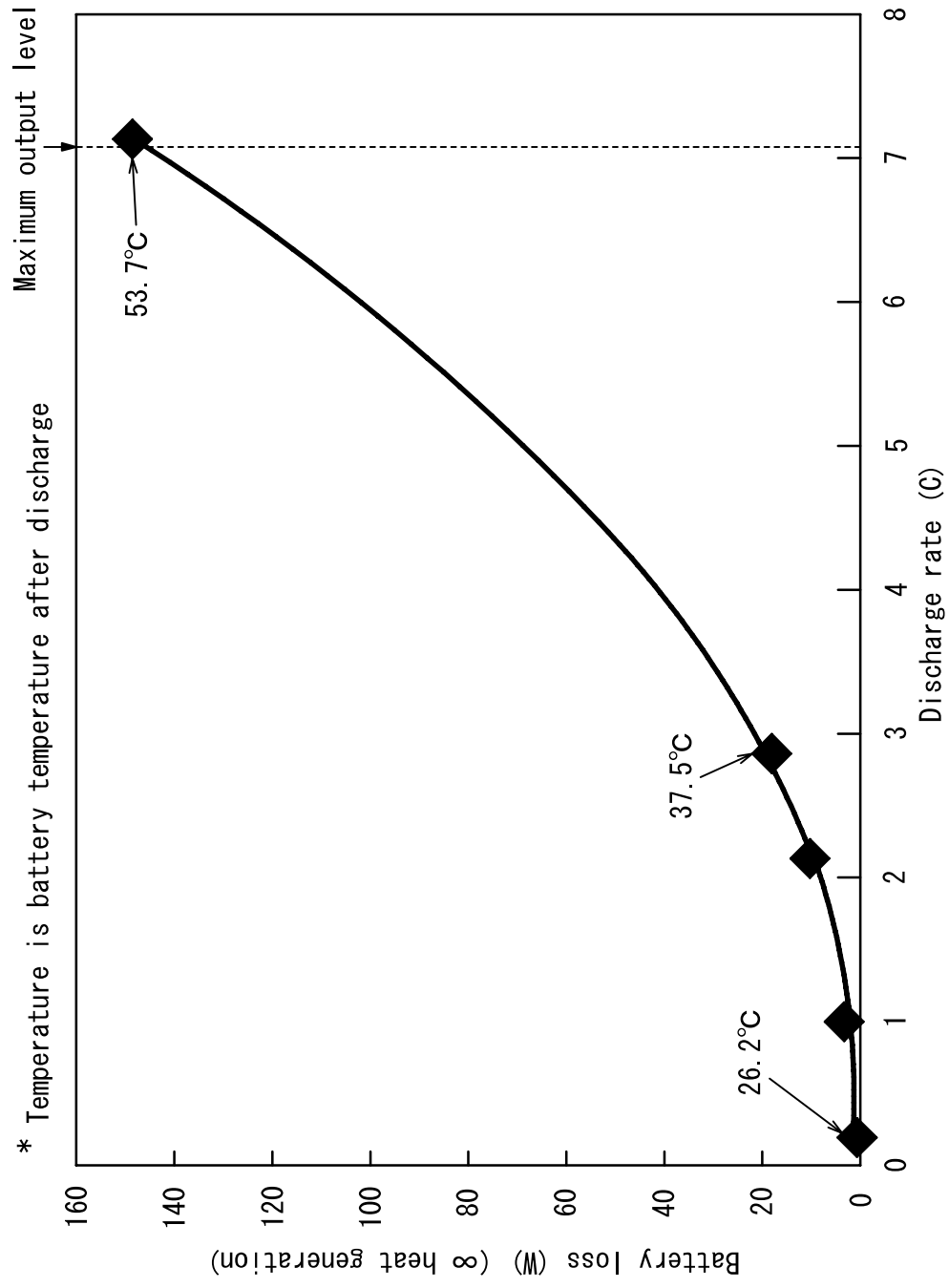


FIG. 4

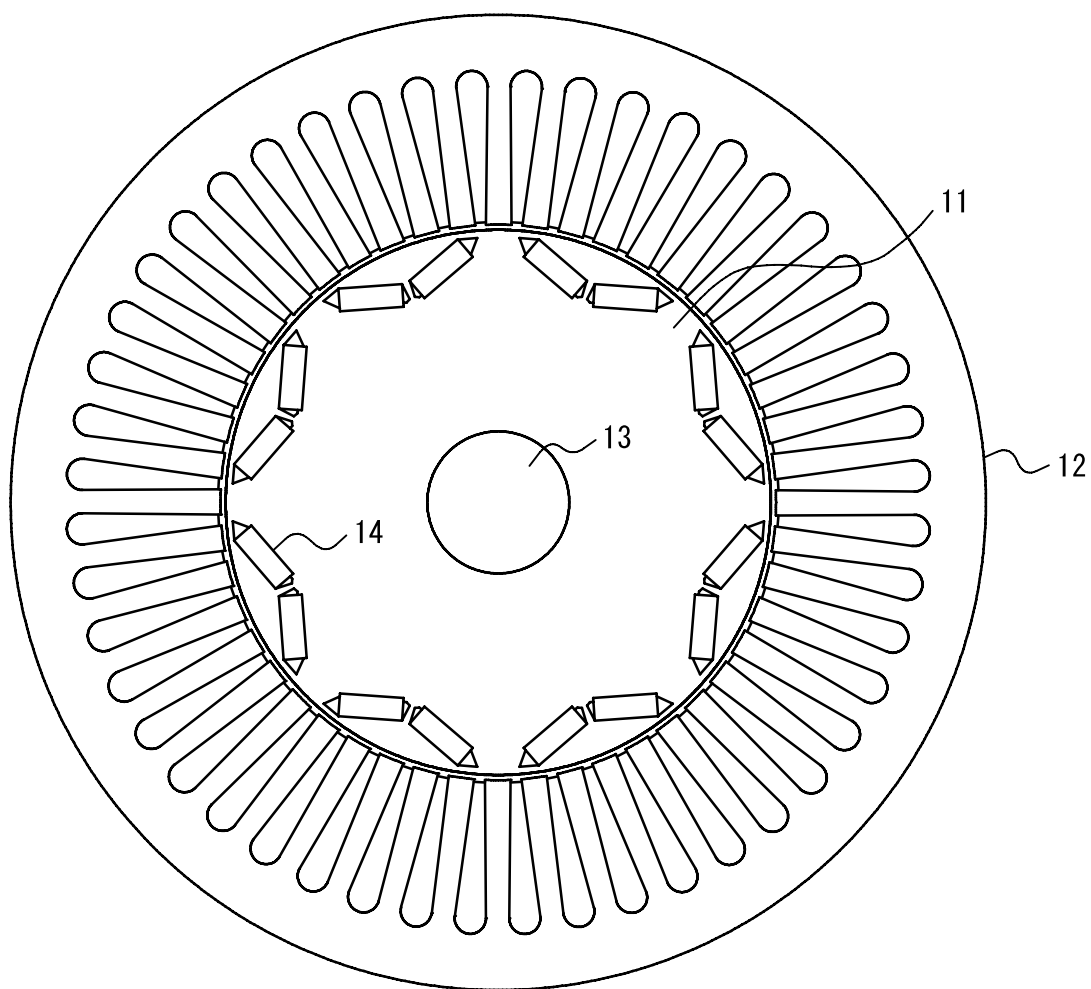


FIG. 5

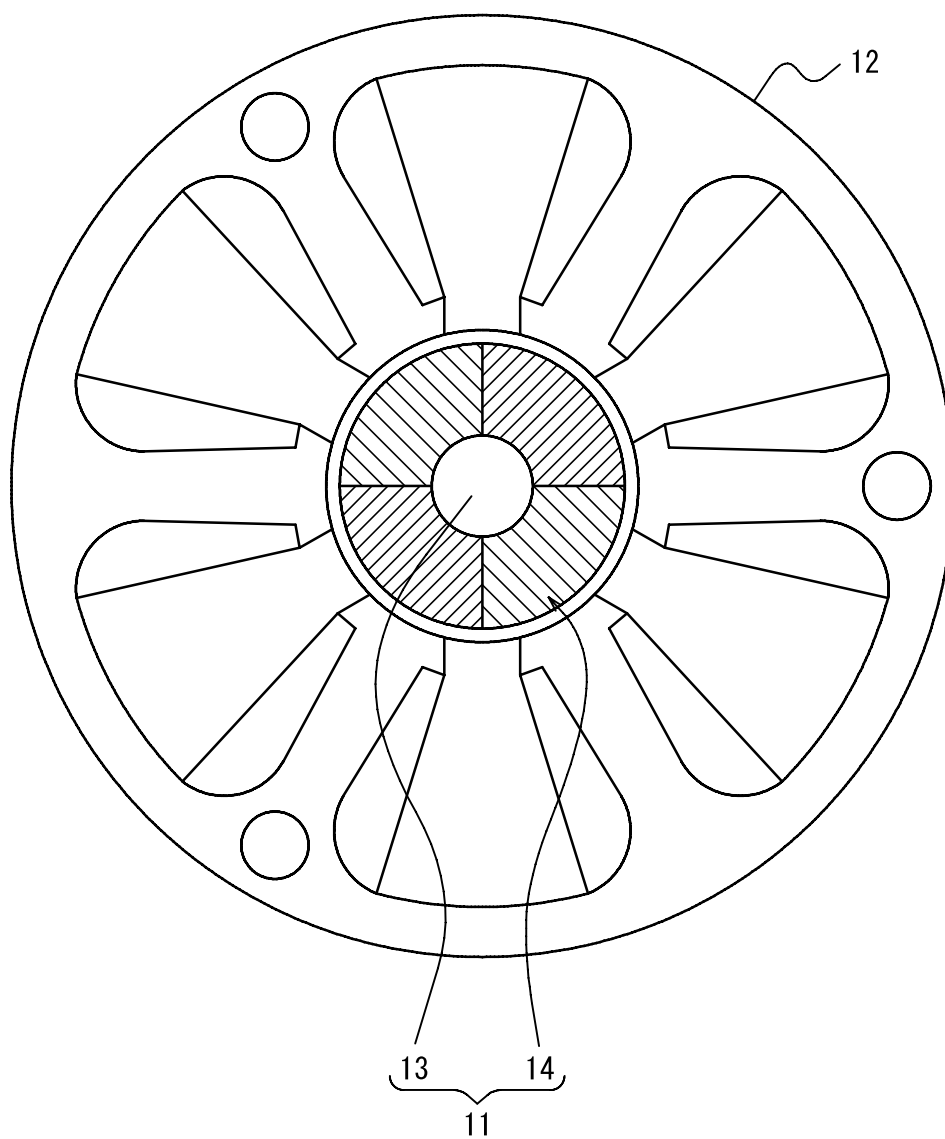


FIG. 6

