

Figure 1 illustrates the power supply system and its voltage characteristics during discharge.

Block Diagram:

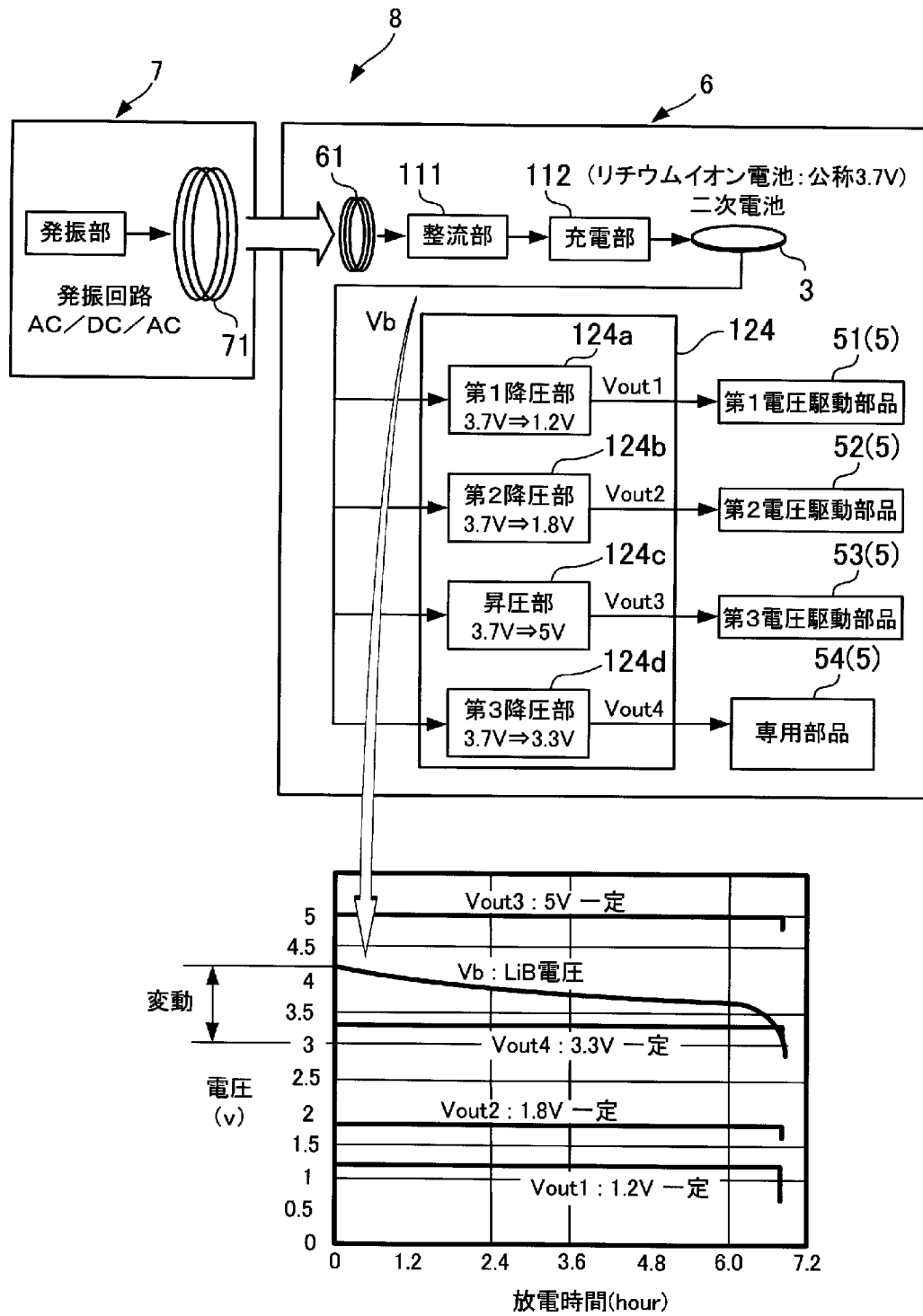
- 7 充電装置 (Charging Device):** Capable of wired or wireless charging.
- 112 充電部 (Charging Unit):** Connected to the charging device and the secondary battery.
- 6 二次電池 (Secondary Battery):** A lithium-ion battery with a nominal voltage of 3.7V.
- 124 電圧調整部 (Voltage Regulation Unit):** Contains three stages:
 - 124a 第1降圧部 (First Step-down Converter):** Converts 3.7V to 1.2V (Vout), supplying the **51(5) 第1電圧駆動部品 (First Voltage Driving Component)**.
 - 124b 第2降圧部 (Second Step-down Converter):** Converts 3.7V to 1.8V (Vout2), supplying the **52(5) 第2電圧駆動部品 (Second Voltage Driving Component)**.
 - 124c 昇圧部 (Step-up Converter):** Converts 3.7V to 5V (Vout3), supplying the **53(5) 第3電圧駆動部品 (Third Voltage Driving Component)**.

Graph:

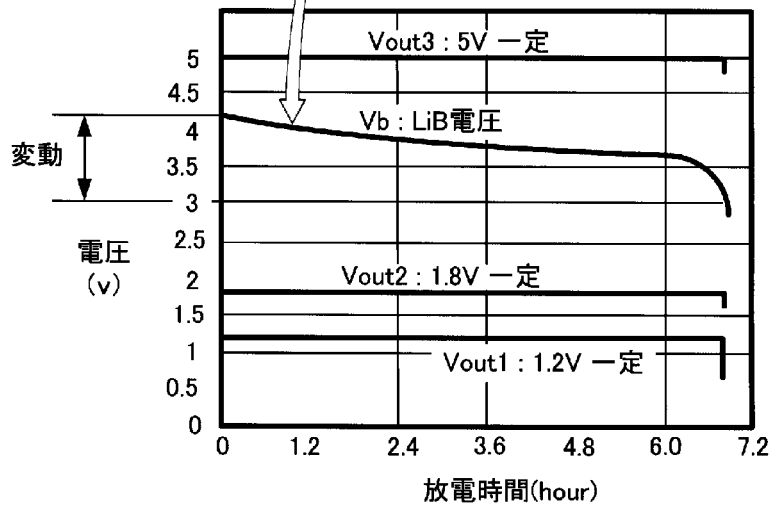
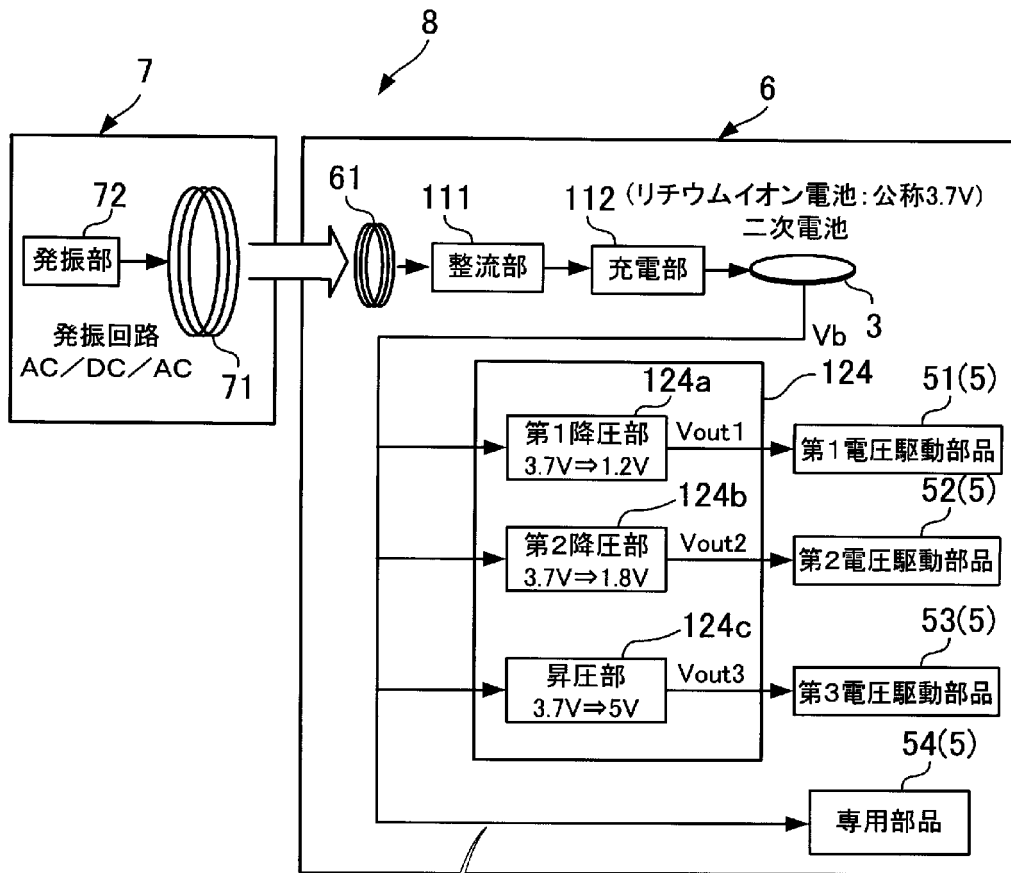
The graph plots Voltage (V) on the y-axis (0 to 5) against Discharge Time (hour) on the x-axis (0 to 7.2).

- Vout3: 5V 一定 (Constant):** The output voltage of the step-up converter remains constant at 5V.
- Vout2: 1.8V 一定 (Constant):** The output voltage of the second step-down converter remains constant at 1.8V.
- Vout1: 1.2V 一定 (Constant):** The output voltage of the first step-down converter remains constant at 1.2V.
- Vb: LiB電圧 (LiB Voltage):** The battery voltage starts at approximately 4.2V and gradually decreases to about 2.8V at 7.2 hours. A vertical double-headed arrow labeled "変動" (variation) indicates the change in this voltage.

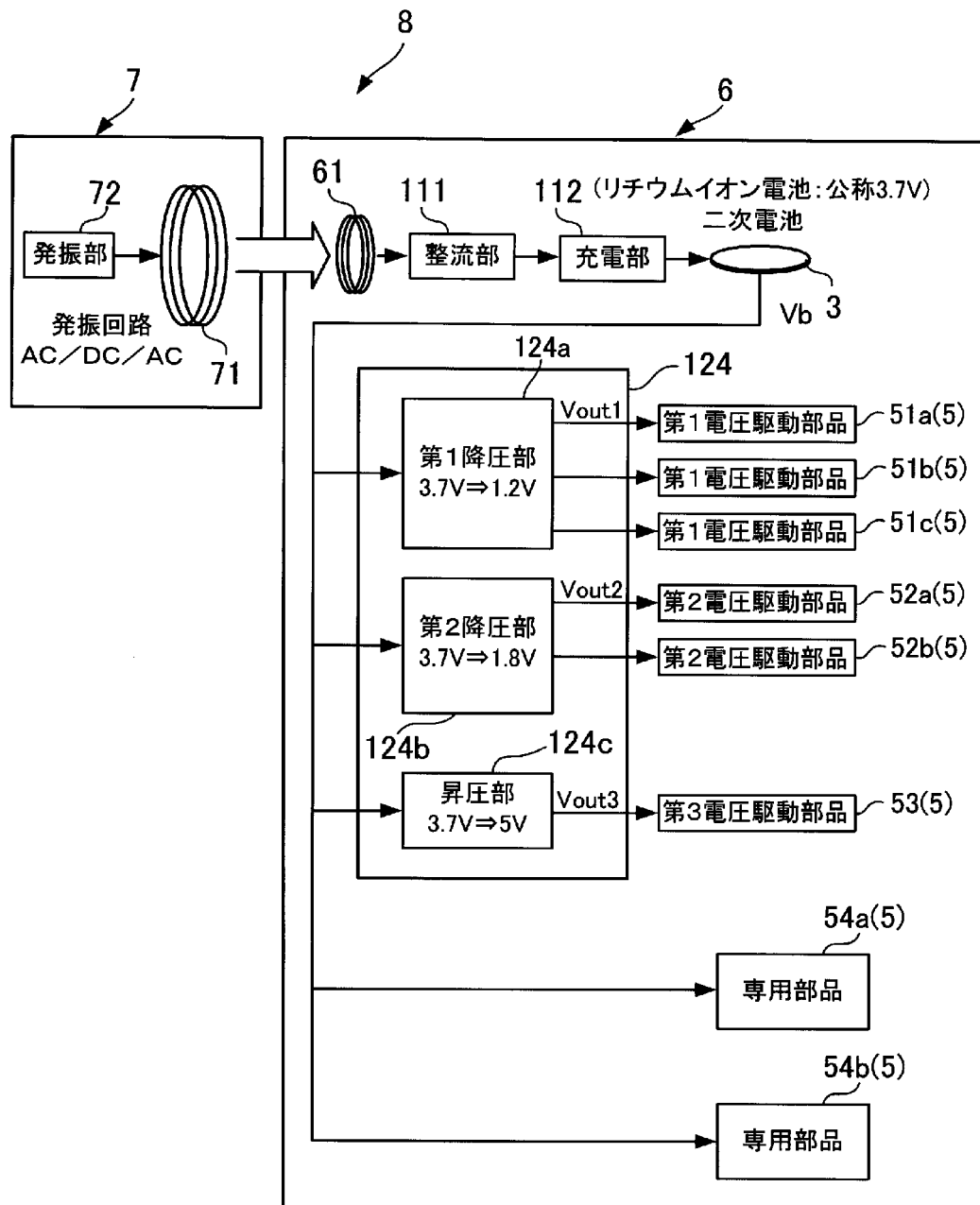
[図2]



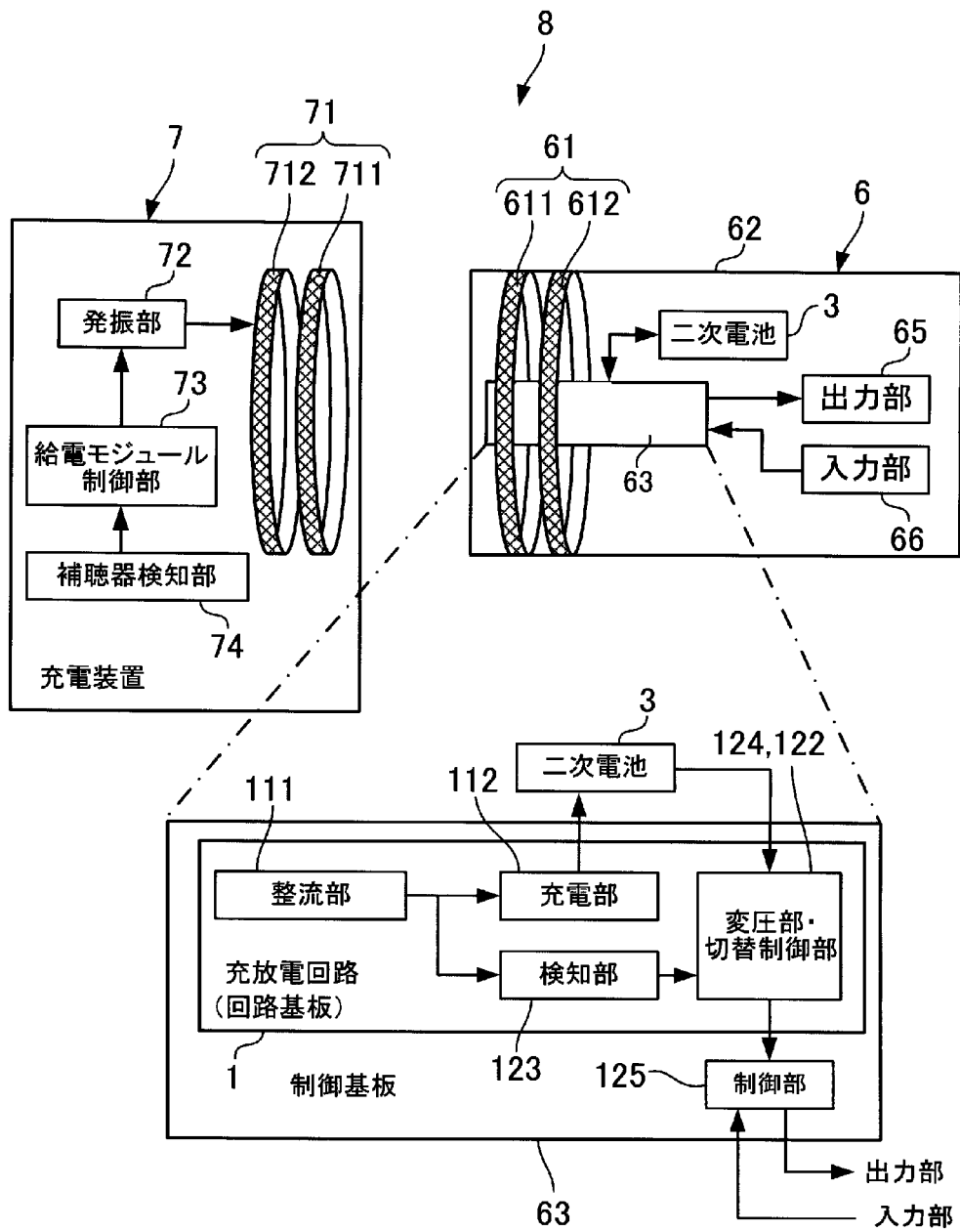
[図3]



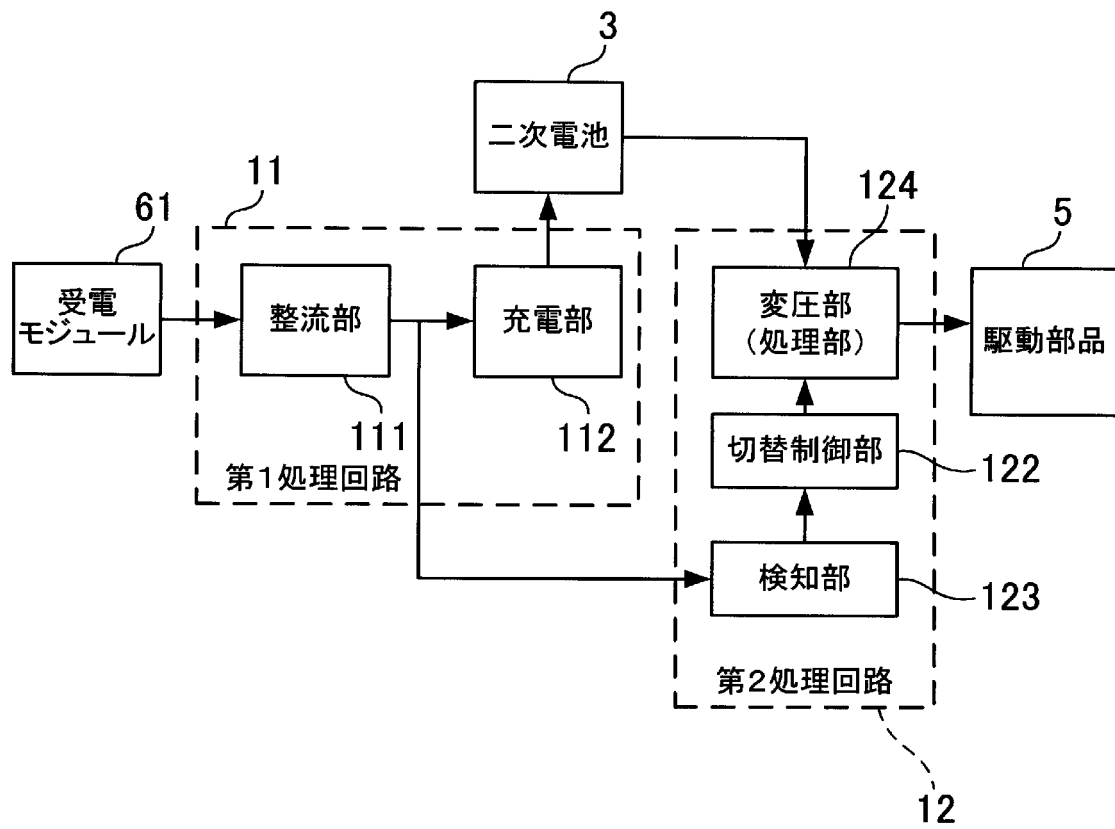
[図4]



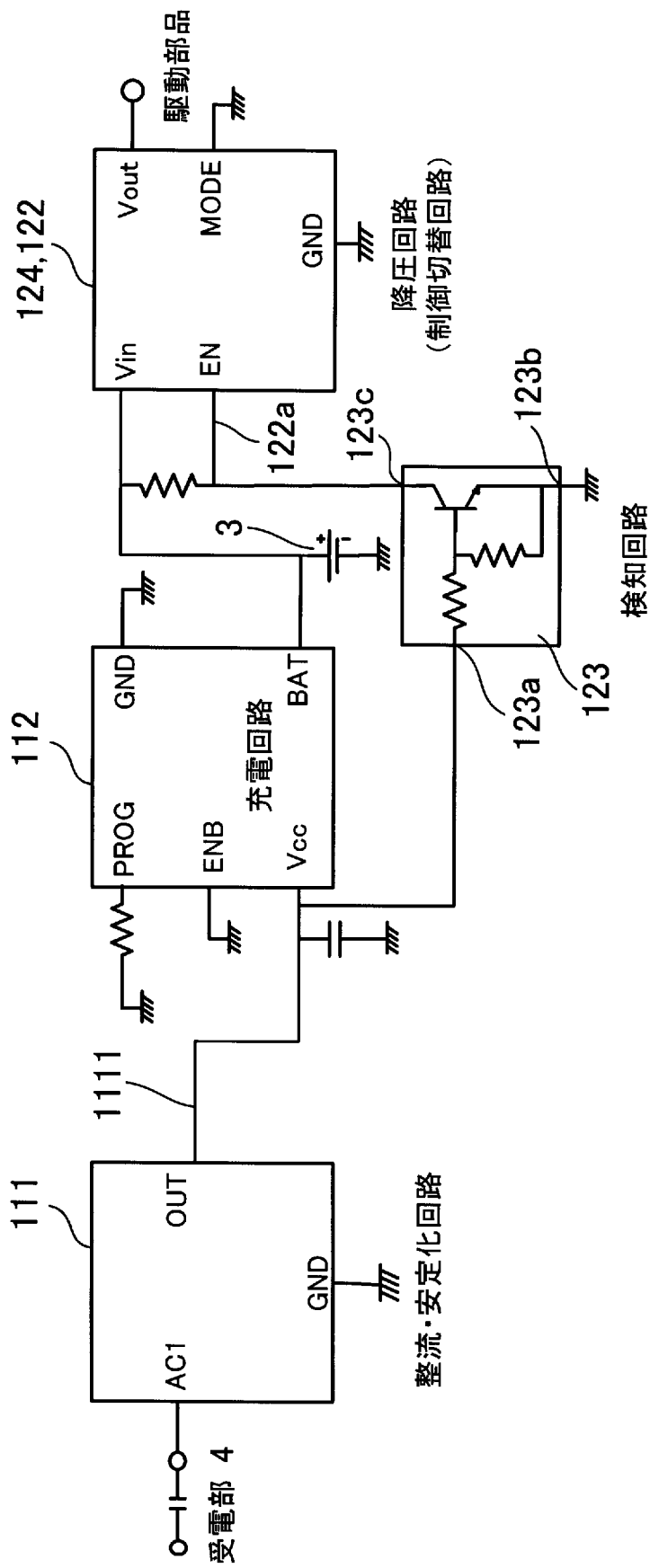
[図5]



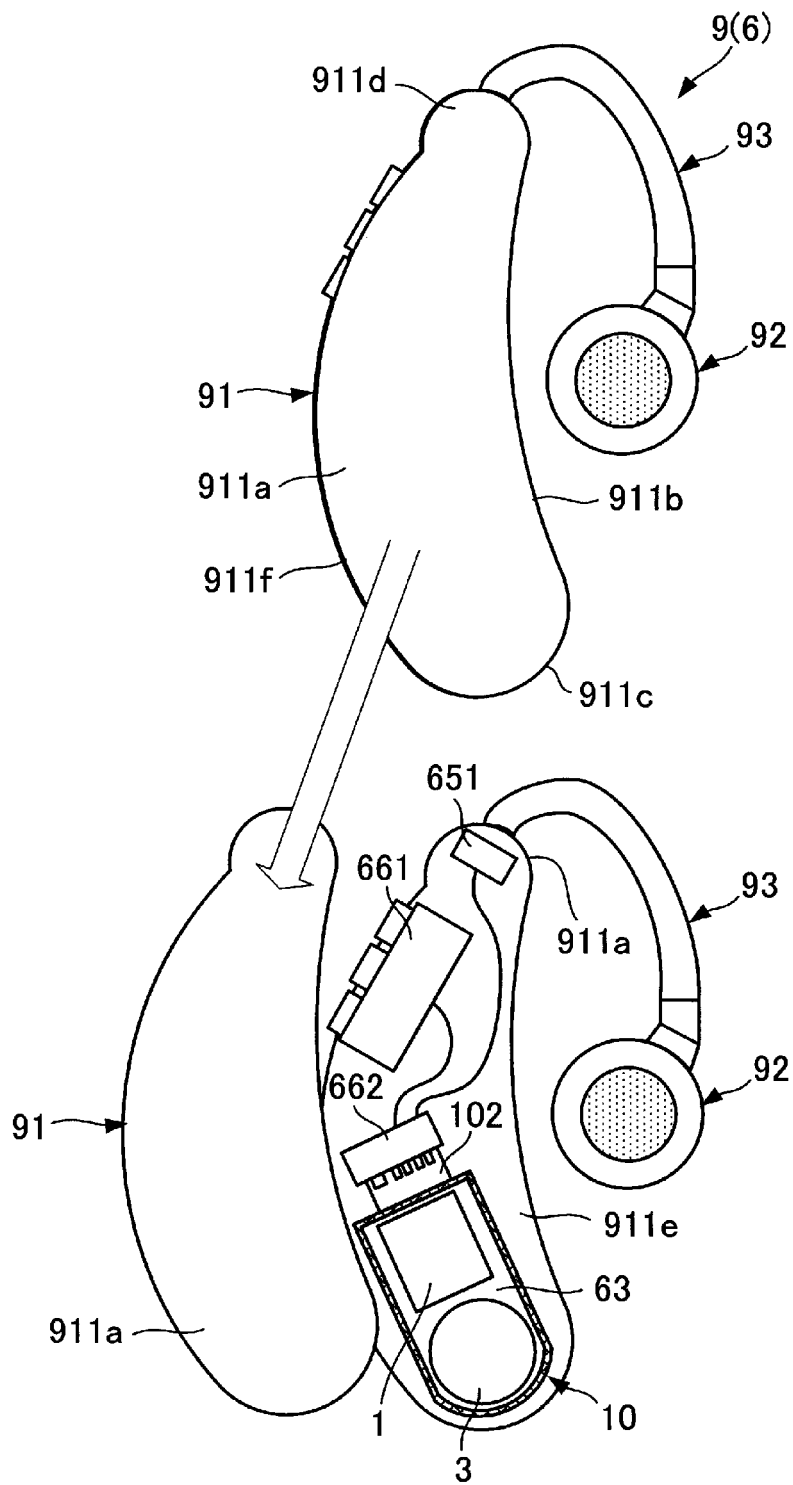
[図6]



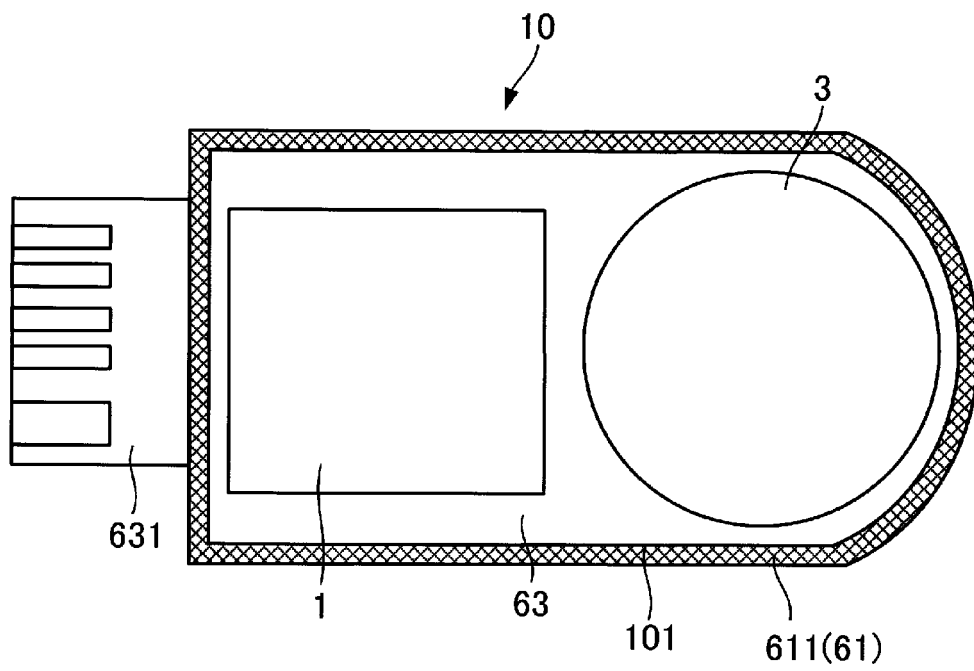
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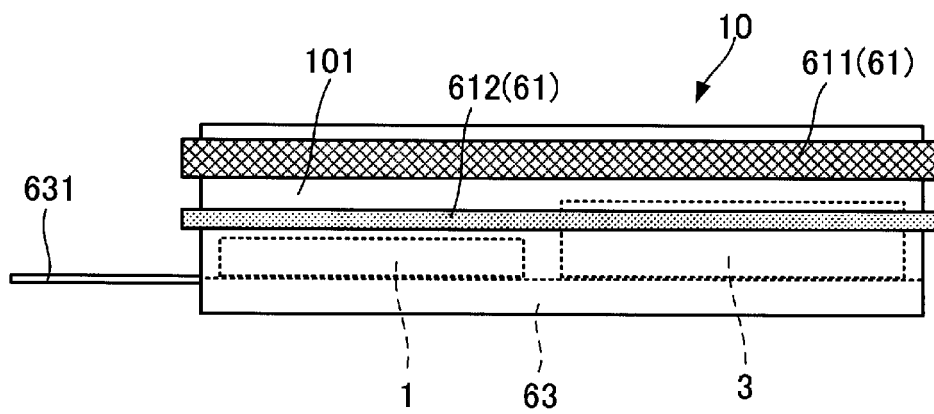
[図8]



[図9A]



[図9B]



[図10]

