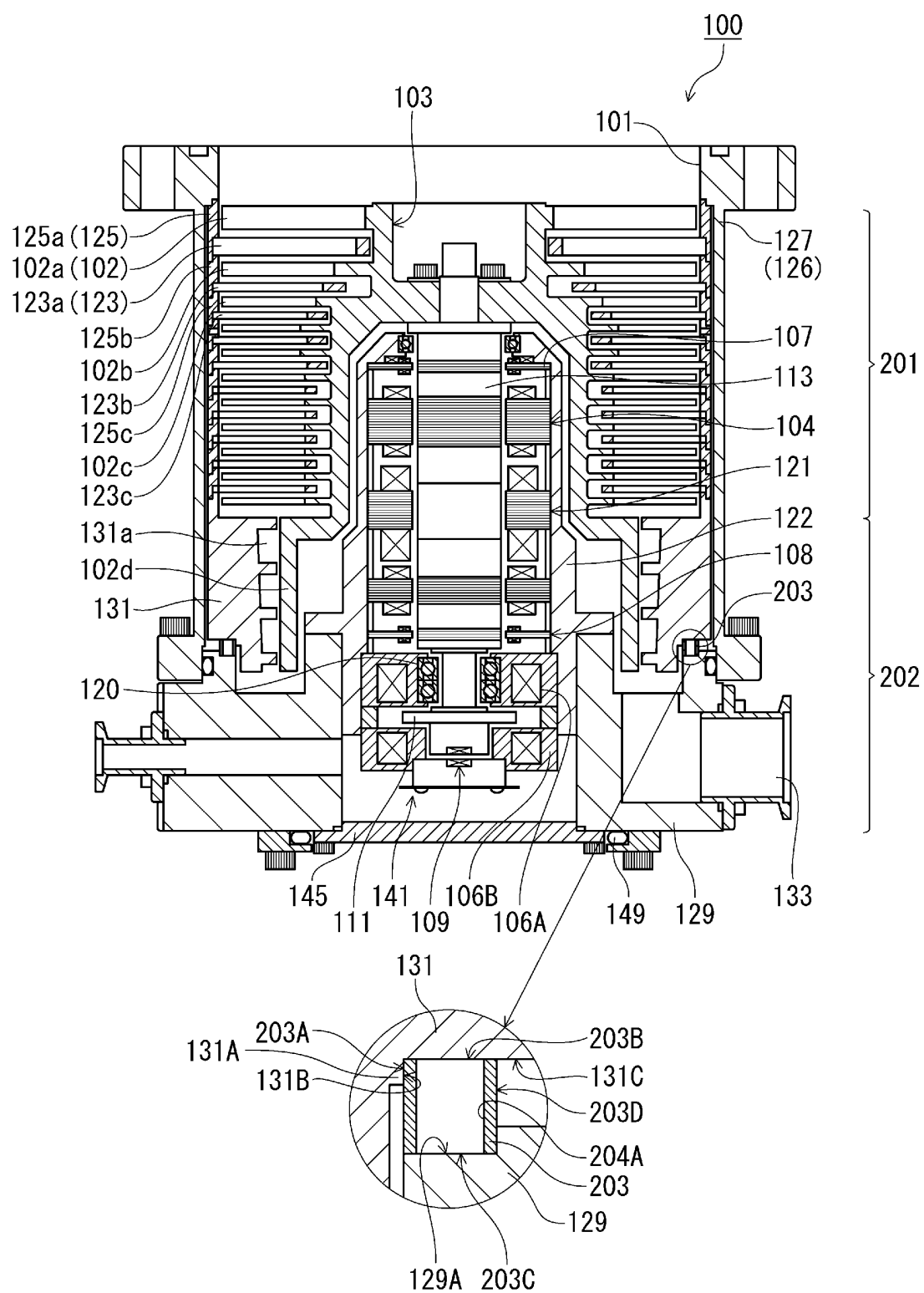
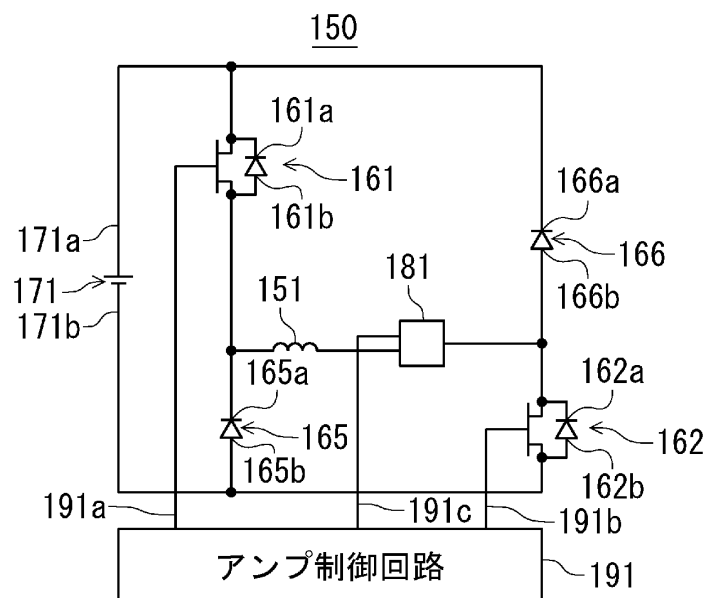


[図1]



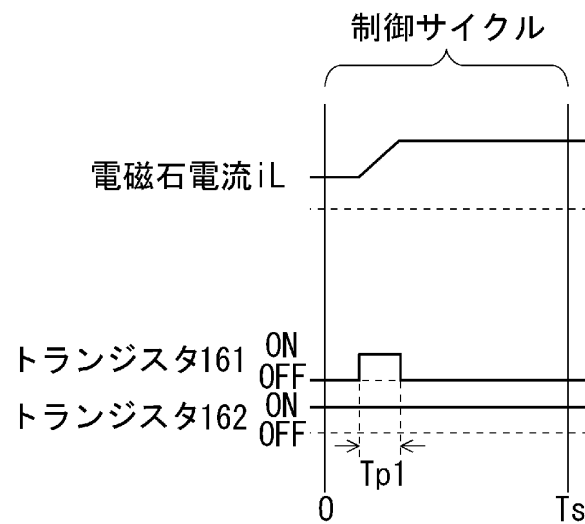
[図2]



[図3]

電流指令値が検出値より大きい場合の制御を示すタイムチャート

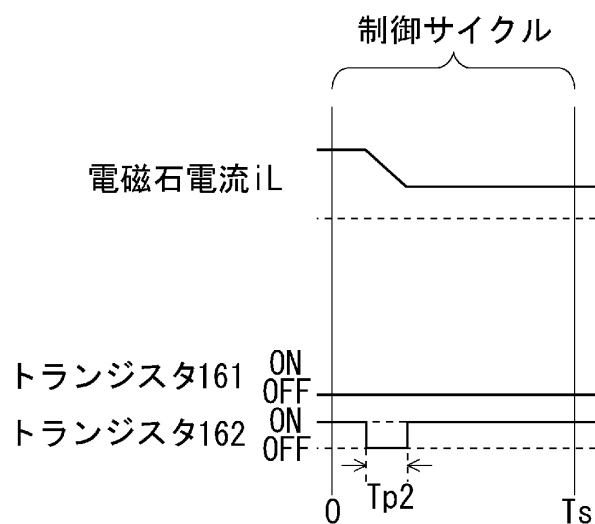
《電流増加の場合》



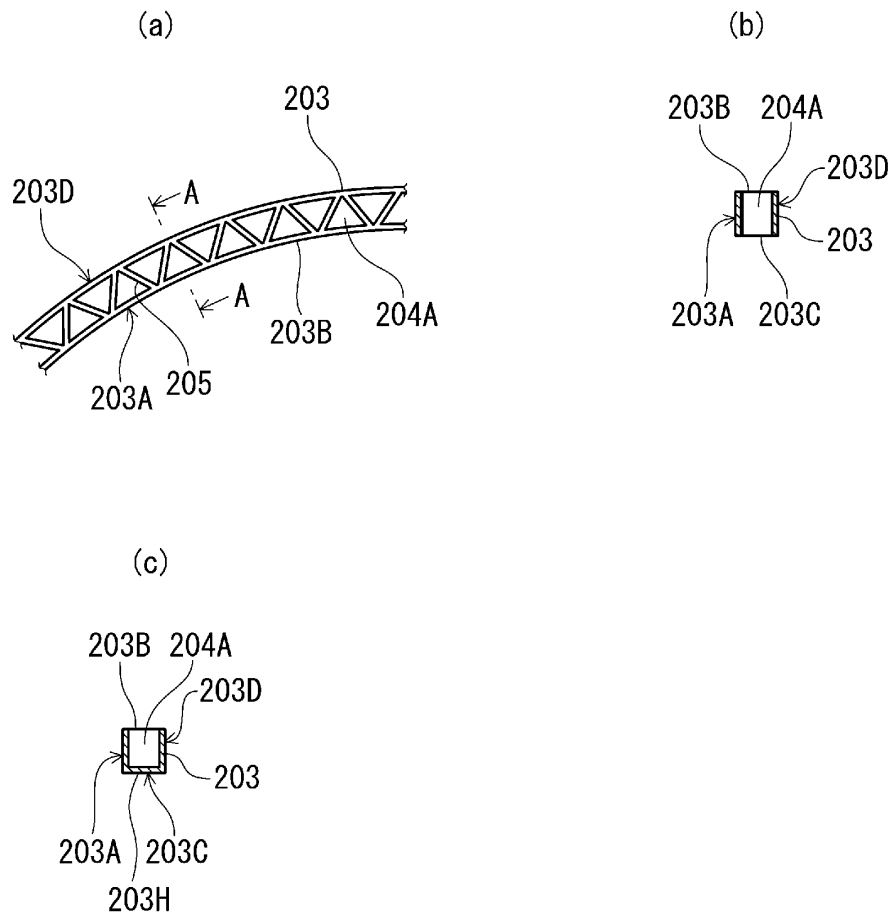
[図4]

電流指令値が検出値より小さい場合の制御を示すタイムチャート

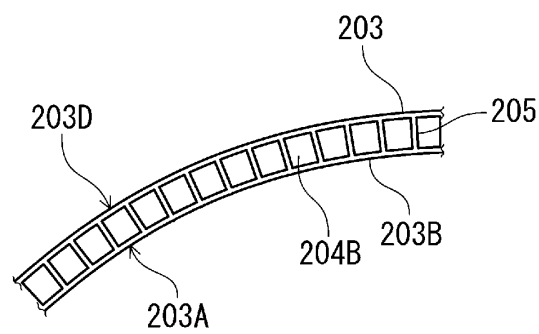
《電流減少の場合》



[図5]

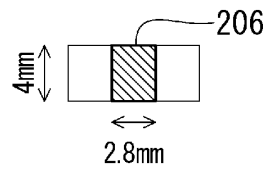


[図6]



[図7]

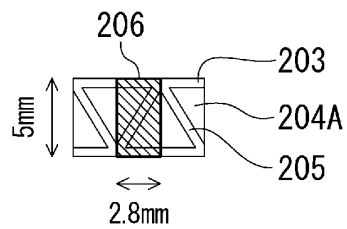
(a) 中実の板



$$\text{断面二次モーメント (I)} = 1/12 \times 2.8 \times 4^3 = 15.0 \text{ mm}^4 \quad \dots \quad (\text{式 1})$$

$$\text{断面積 (S)} = 2.8 \times 4 = 11.2 \text{ mm}^2 \quad \dots \quad (\text{式 2})$$

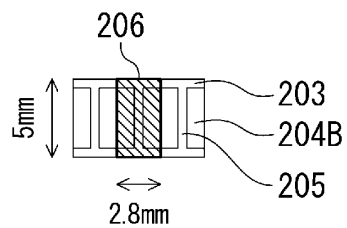
(b) 中空の板



$$\text{断面二次モーメント (I)} = 1/12 \times (2.8 \times 5^3 - 2.3 \times 4^3) = 16.9 \text{ mm}^4 \quad \dots \quad (\text{式 3})$$

$$\text{断面積 (S)} = 2.8 \times 5 - 2.3 \times 4 = 4.8 \text{ mm}^2 \quad \dots \quad (\text{式 4})$$

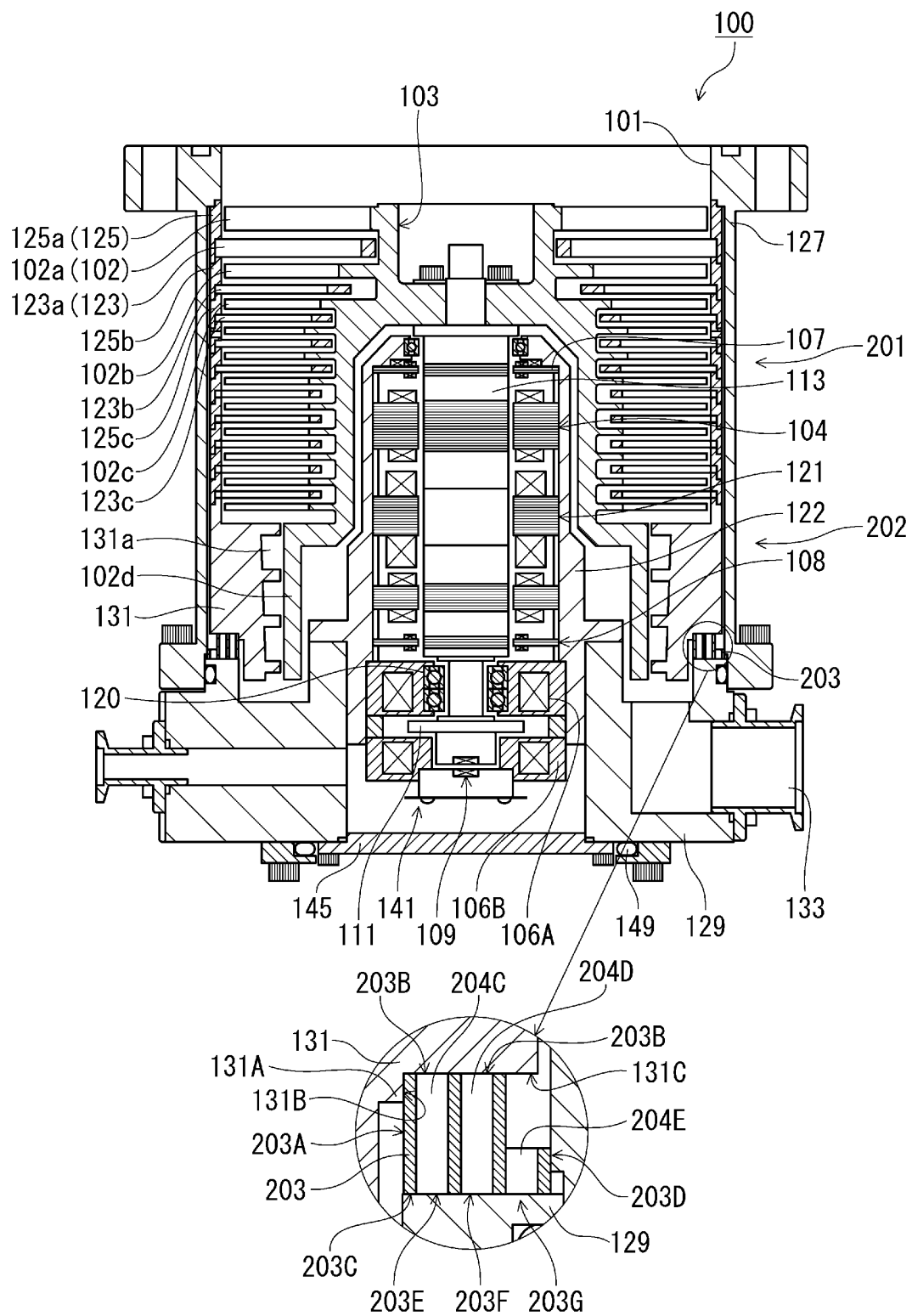
(c) 中空の板



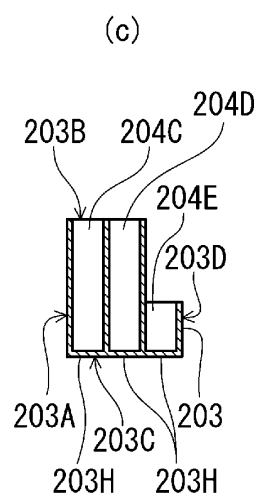
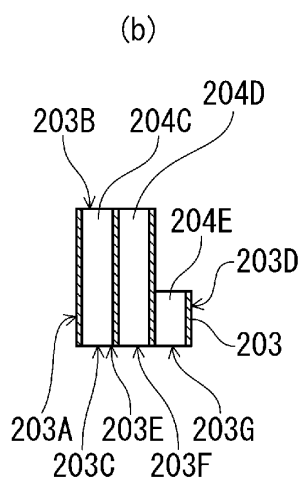
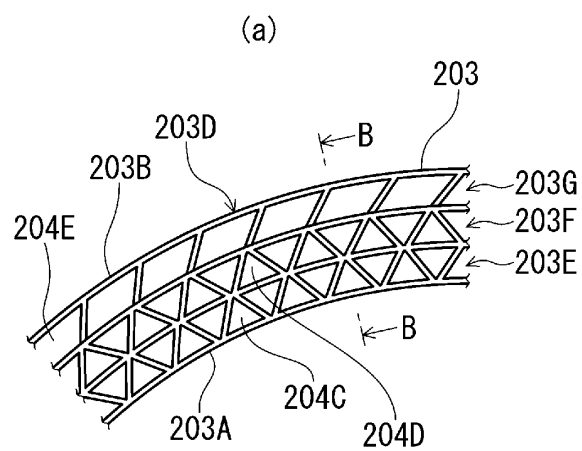
$$\text{断面二次モーメント (I)} = 1/12 \times (2.8 \times 5^3 - 2.3 \times 4^3) = 16.9 \text{ mm}^4 \quad \dots \quad (\text{式 3})$$

$$\text{断面積 (S)} = 2.8 \times 5 - 2.3 \times 4 = 4.8 \text{ mm}^2 \quad \dots \quad (\text{式 4})$$

[図8]



[図9]



[図10]

