

Fig.1

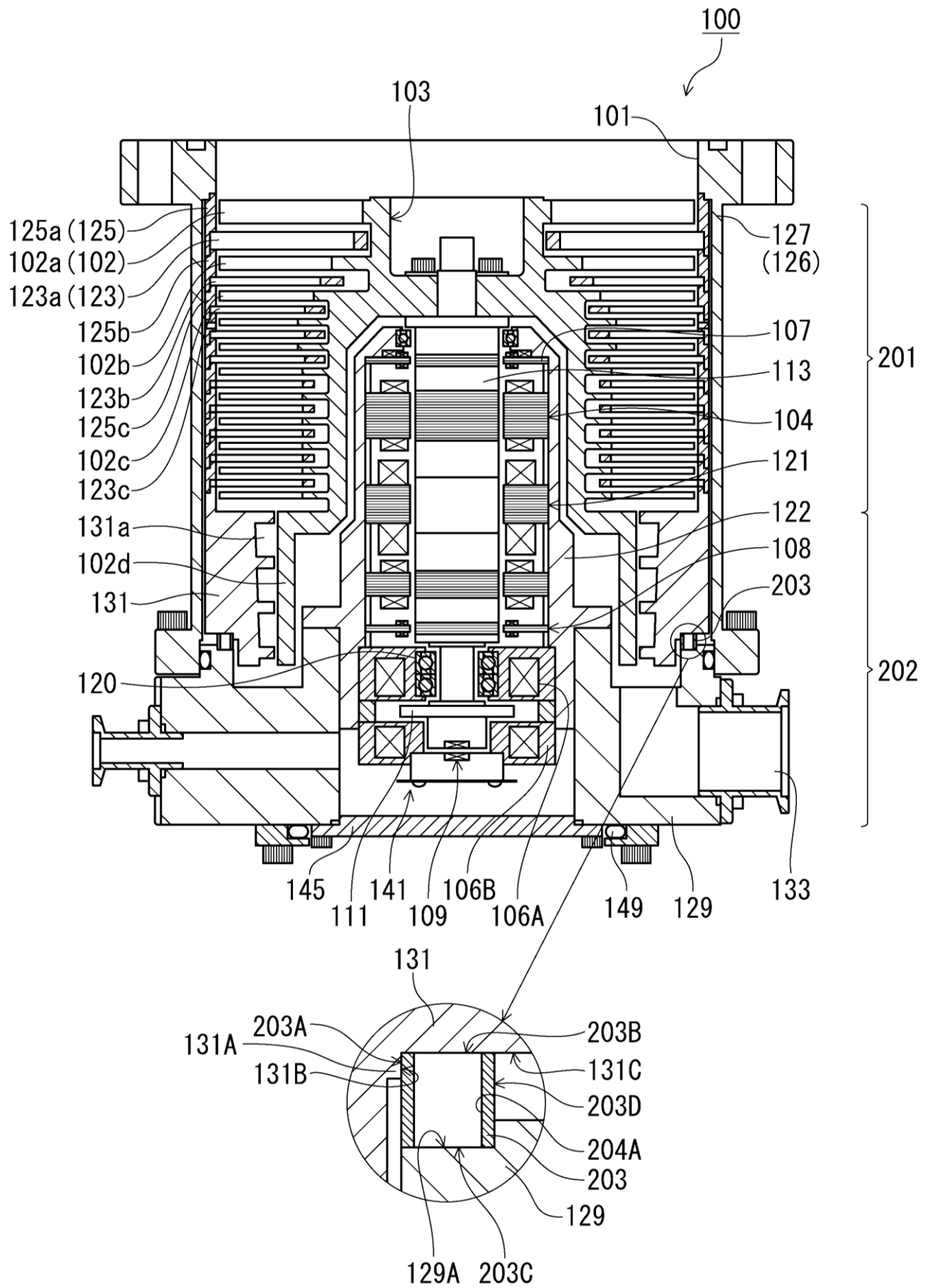


Fig.2

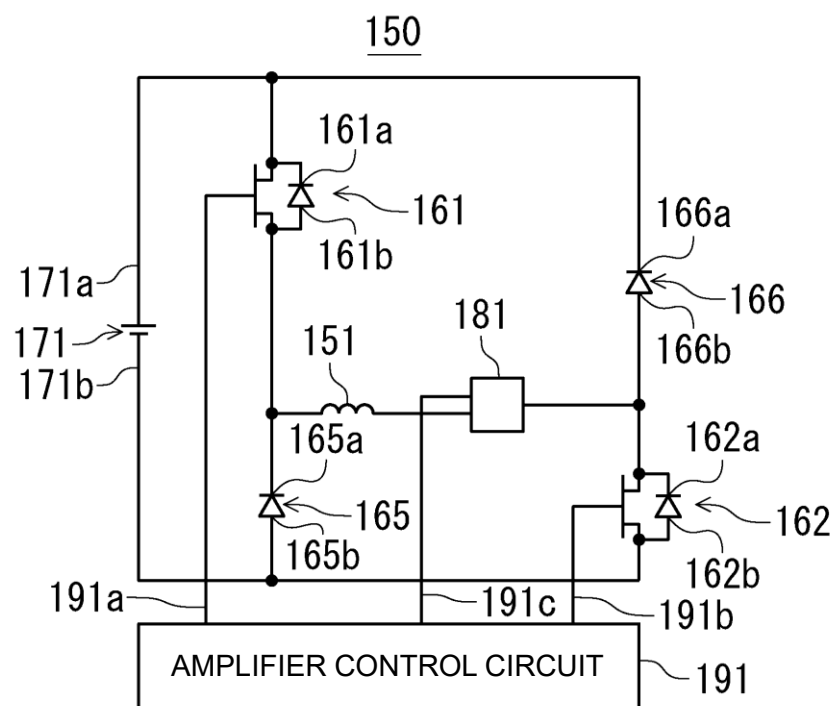


Fig.3

TIME CHART SHOWING CONTROL PERFORMED WHEN CURRENT
COMMAND VALUE IS GREATER THAN DETECTED VALUE

《CURRENT INCREASE CASE》

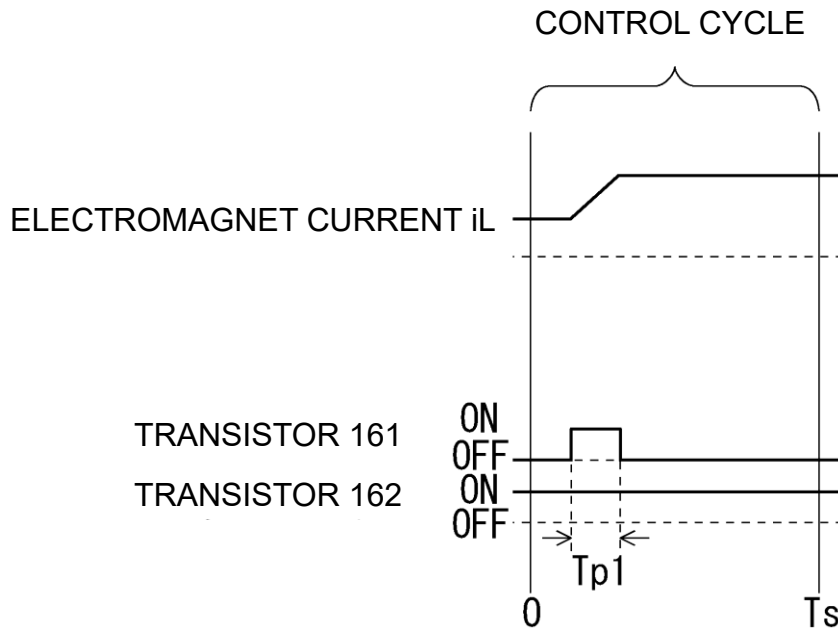


Fig.4

TIME CHART SHOWING CONTROL PERFORMED WHEN CURRENT
COMMAND VALUE IS LESS THAN DETECTED VALUE

《CURRENT DECREASE CASE》

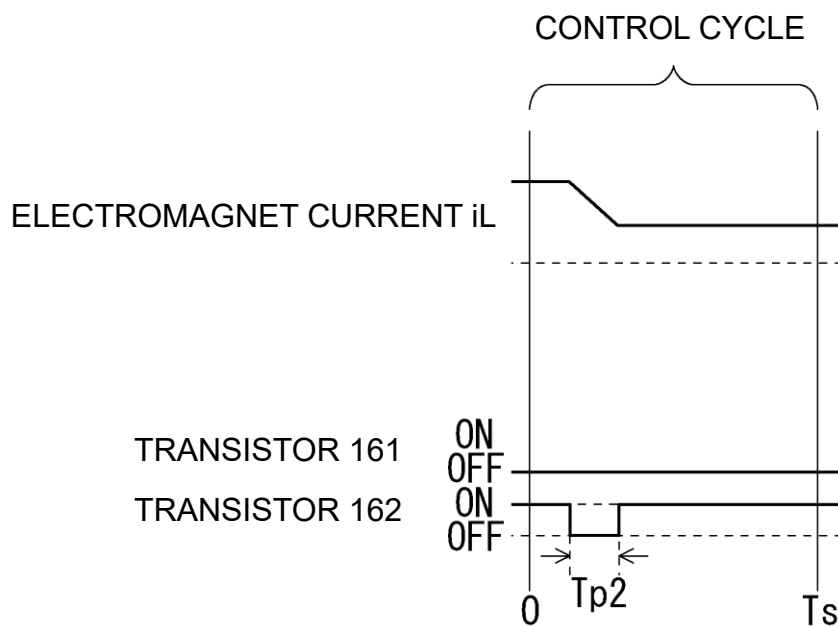


Fig.5

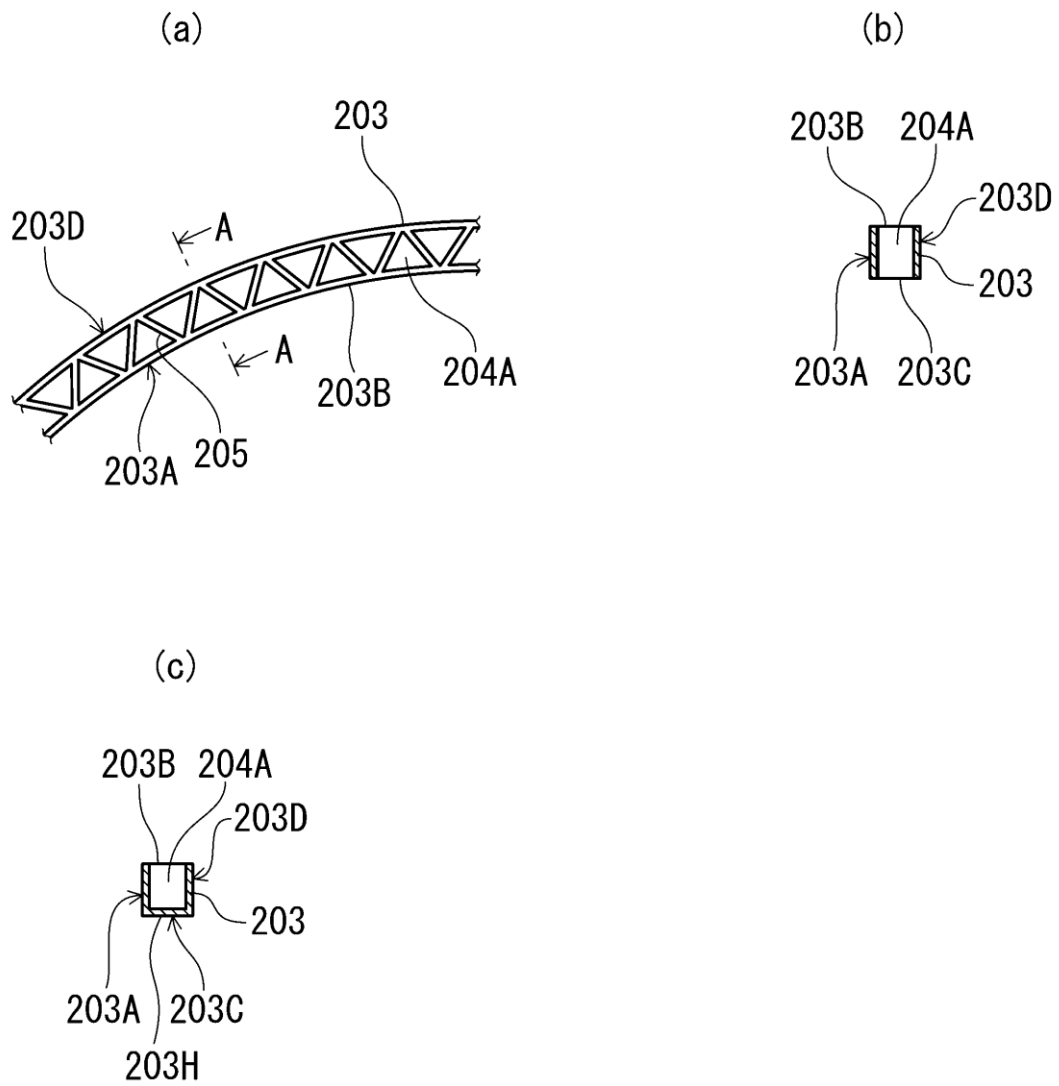


Fig.6

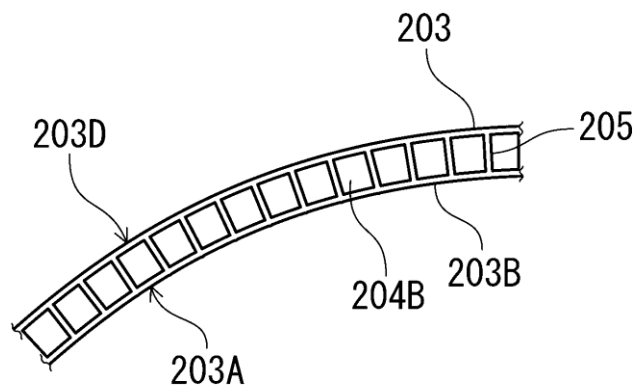
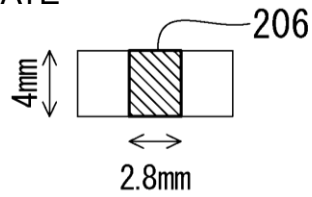


Fig.7

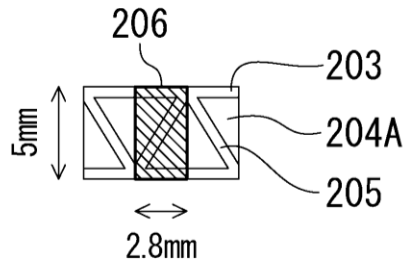
(b) SOLID PLATE



$$\text{SECOND MOMENT OF AREA (I)} = 1/12 \times 2.8 \times 4^3 = 15.0 \text{ mm}^4 \quad \dots \text{ (EXPRESSION 1)}$$

$$\text{CROSS-SECTIONAL AREA (S)} = 2.8 \times 4 = 11.2 \text{ mm}^2 \quad \dots \text{ (EXPRESSION 2)}$$

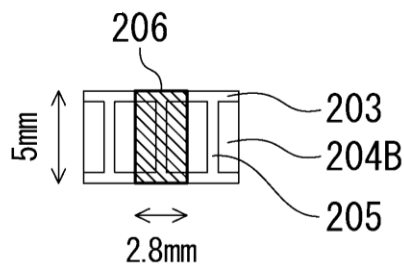
(a) HOLLOW PLATE



$$\text{SECOND MOMENT OF AREA (I)} = 1/12 \times (2.8 \times 5^3 - 2.3 \times 4^3) = 16.9 \text{ mm}^4 \quad \dots \text{ (EXPRESSION 3)}$$

$$\text{CROSS-SECTIONAL AREA (S)} = 2.8 \times 5 - 2.3 \times 4 = 4.8 \text{ mm}^2 \quad \dots \text{ (EXPRESSION 4)}$$

(c) HOLLOW PLATE



$$\text{SECOND MOMENT OF AREA (I)} = 1/12 \times (2.8 \times 5^3 - 2.3 \times 4^3) = 16.9 \text{ mm}^4 \quad \dots \text{ (EXPRESSION 3)}$$

$$\text{CROSS-SECTIONAL AREA (S)} = 2.8 \times 5 - 2.3 \times 4 = 4.8 \text{ mm}^2 \quad \dots \text{ (EXPRESSION 4)}$$

Fig.8

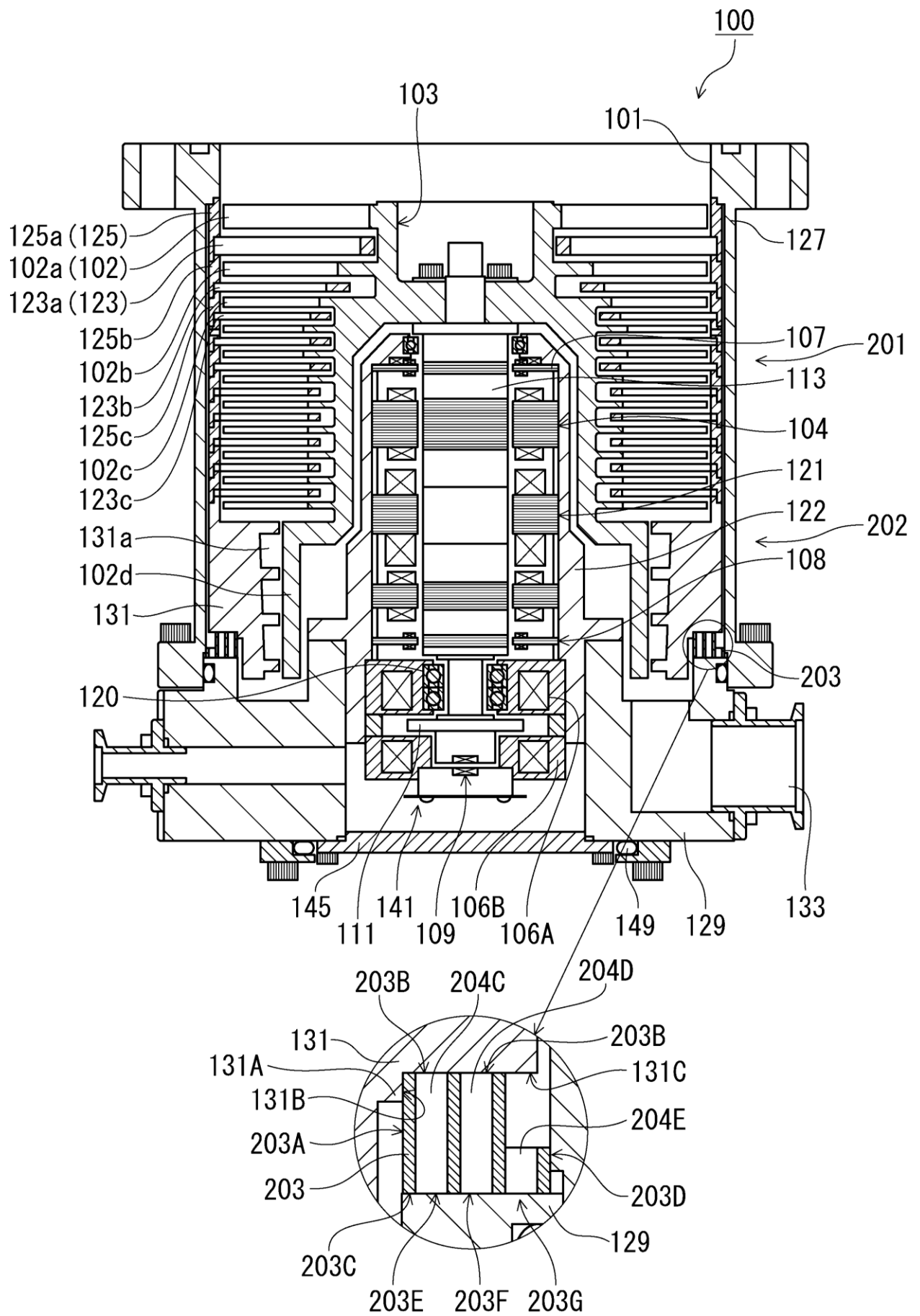


Fig.9

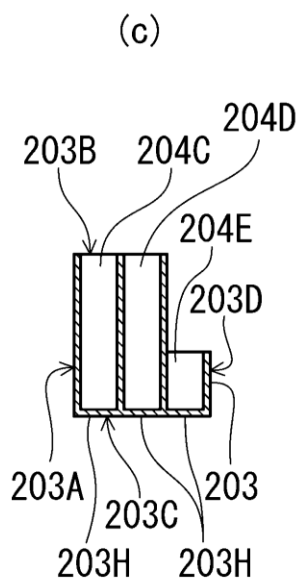
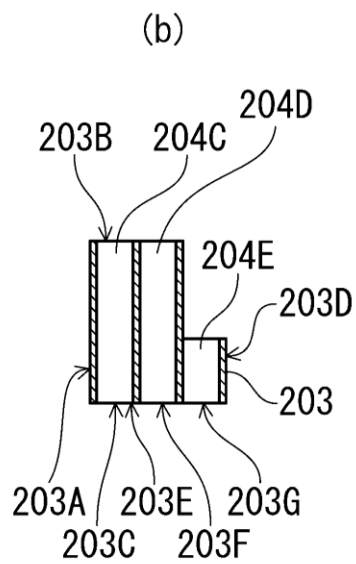
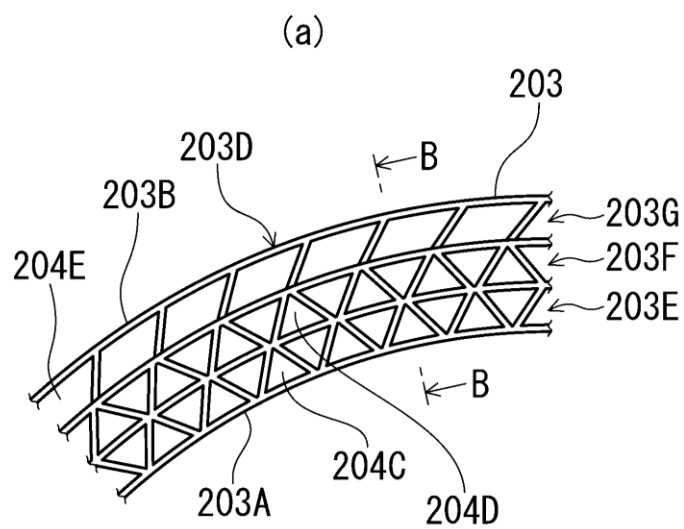


Fig.10

