

FIG. 1

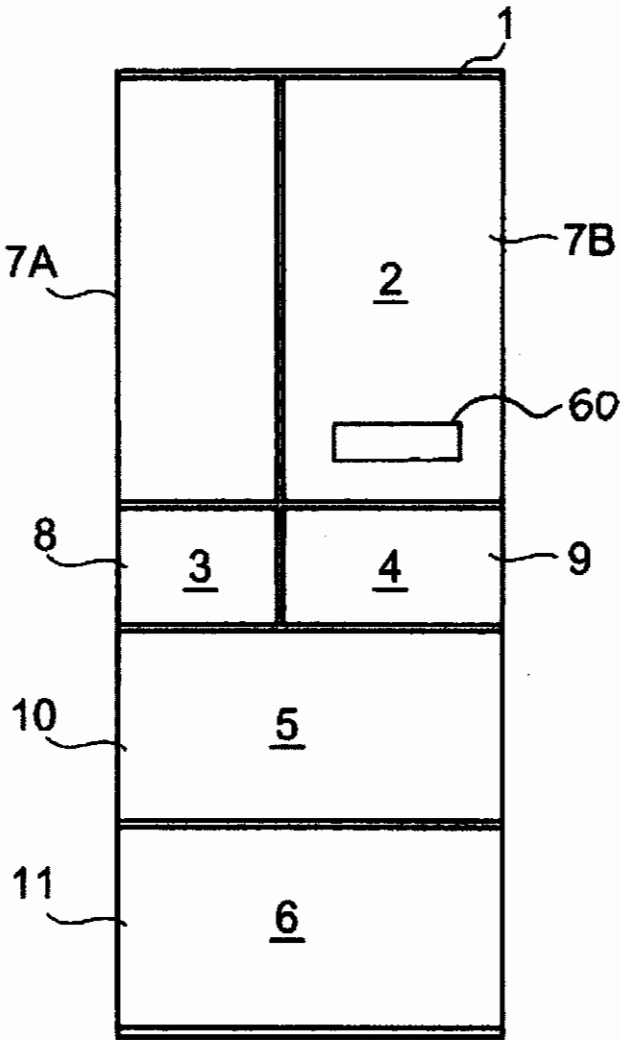


FIG. 2

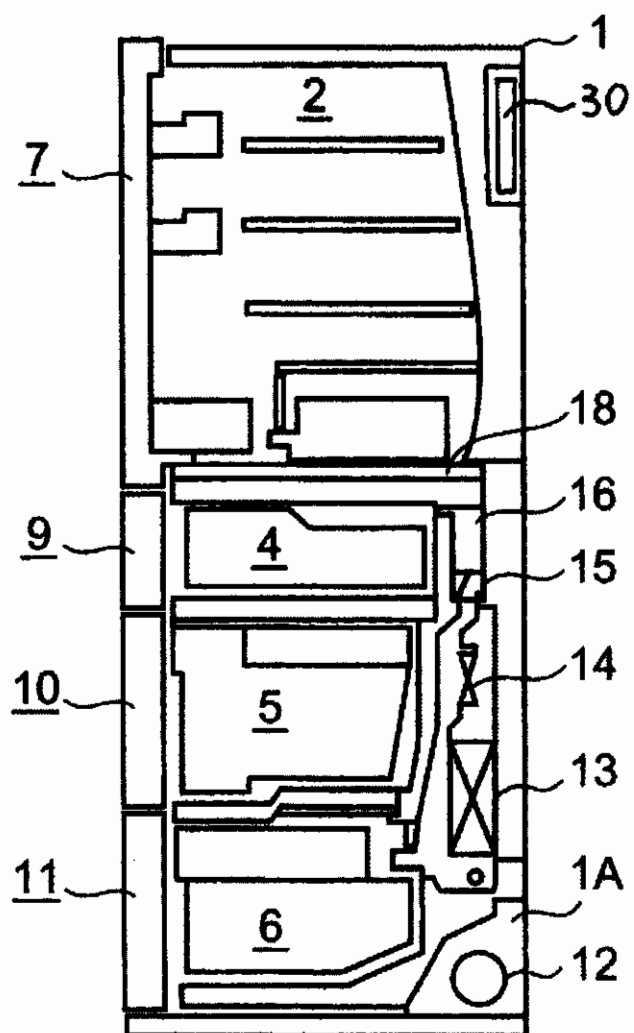


FIG. 3

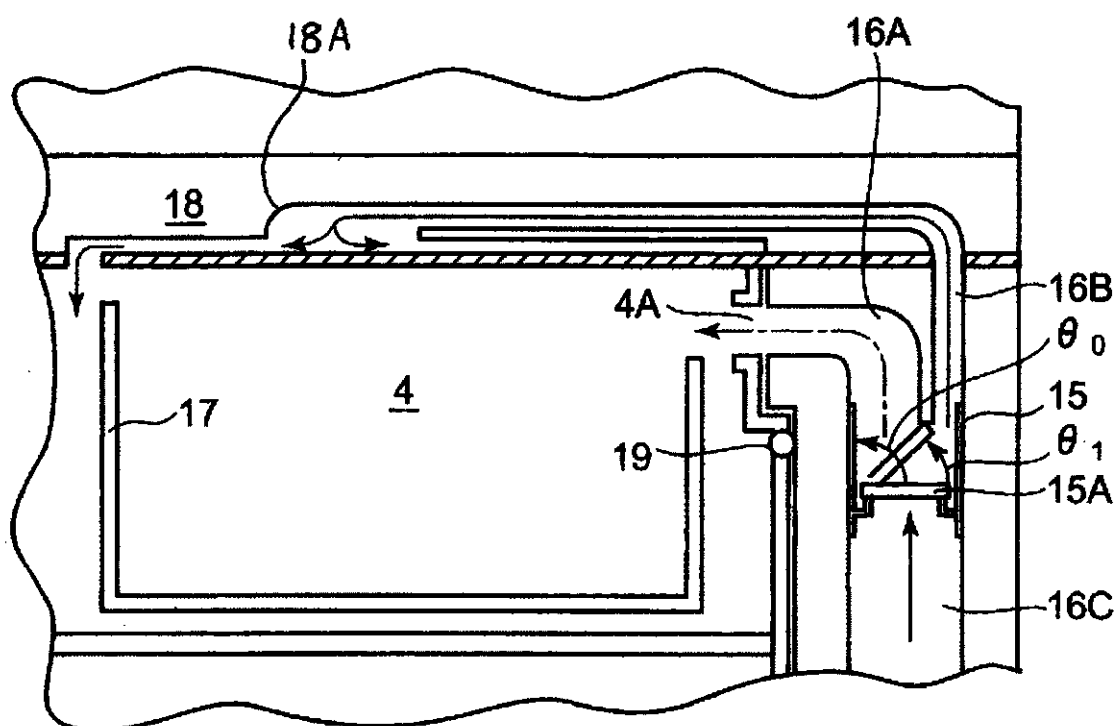


FIG. 4

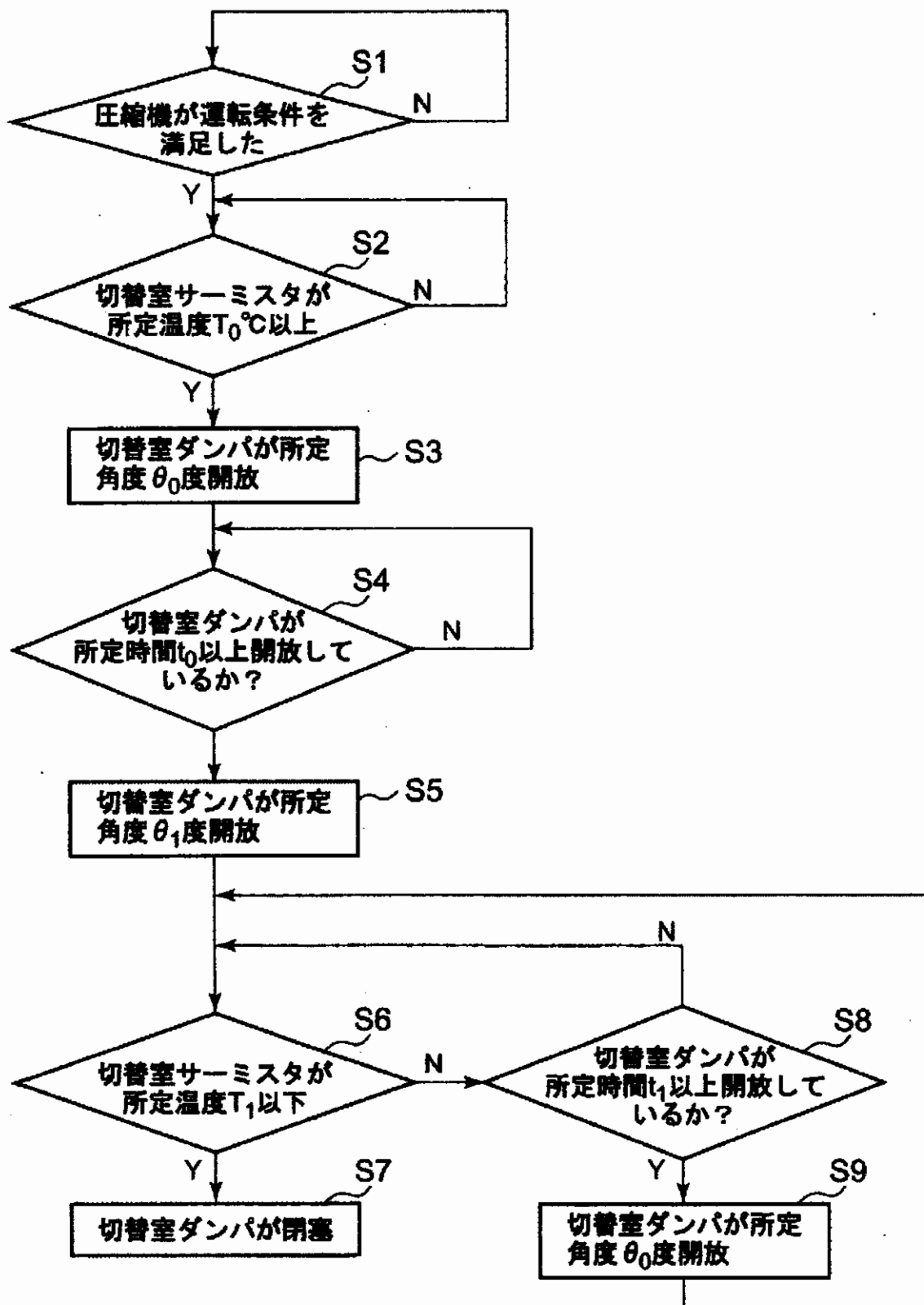


FIG. 5

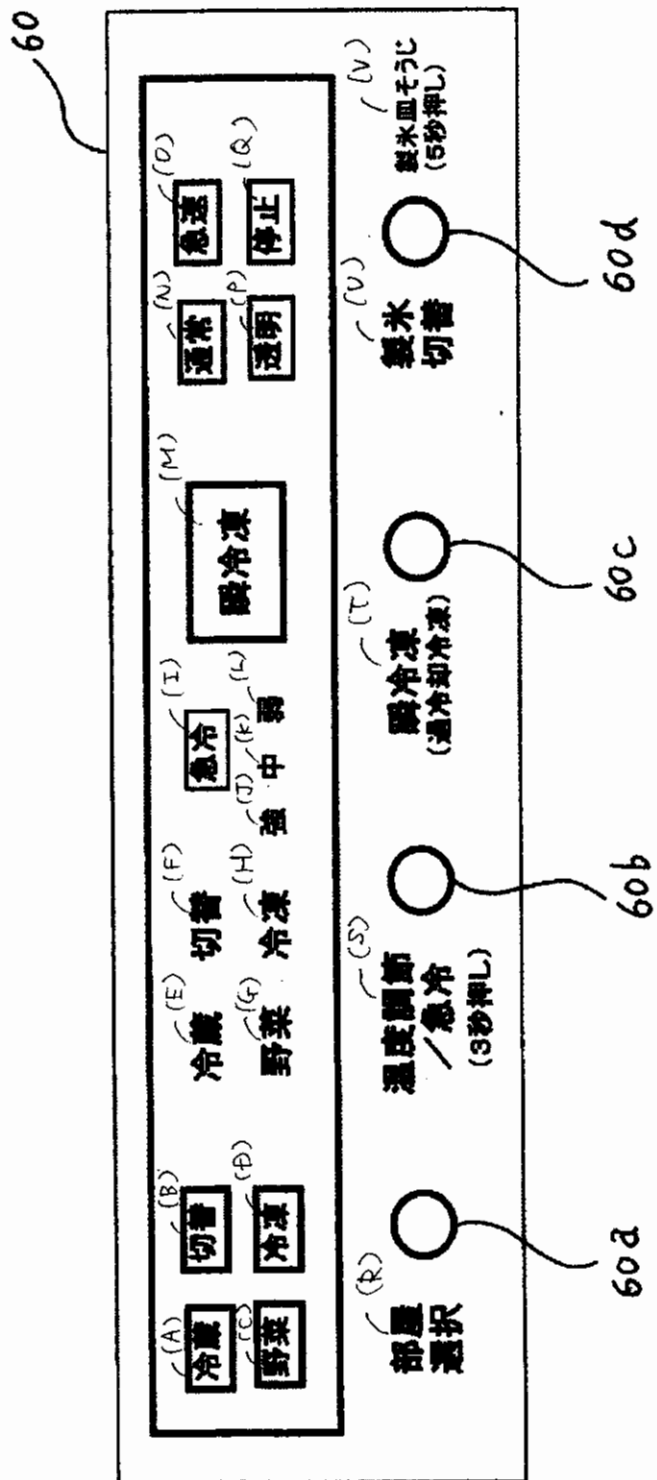


FIG. 6

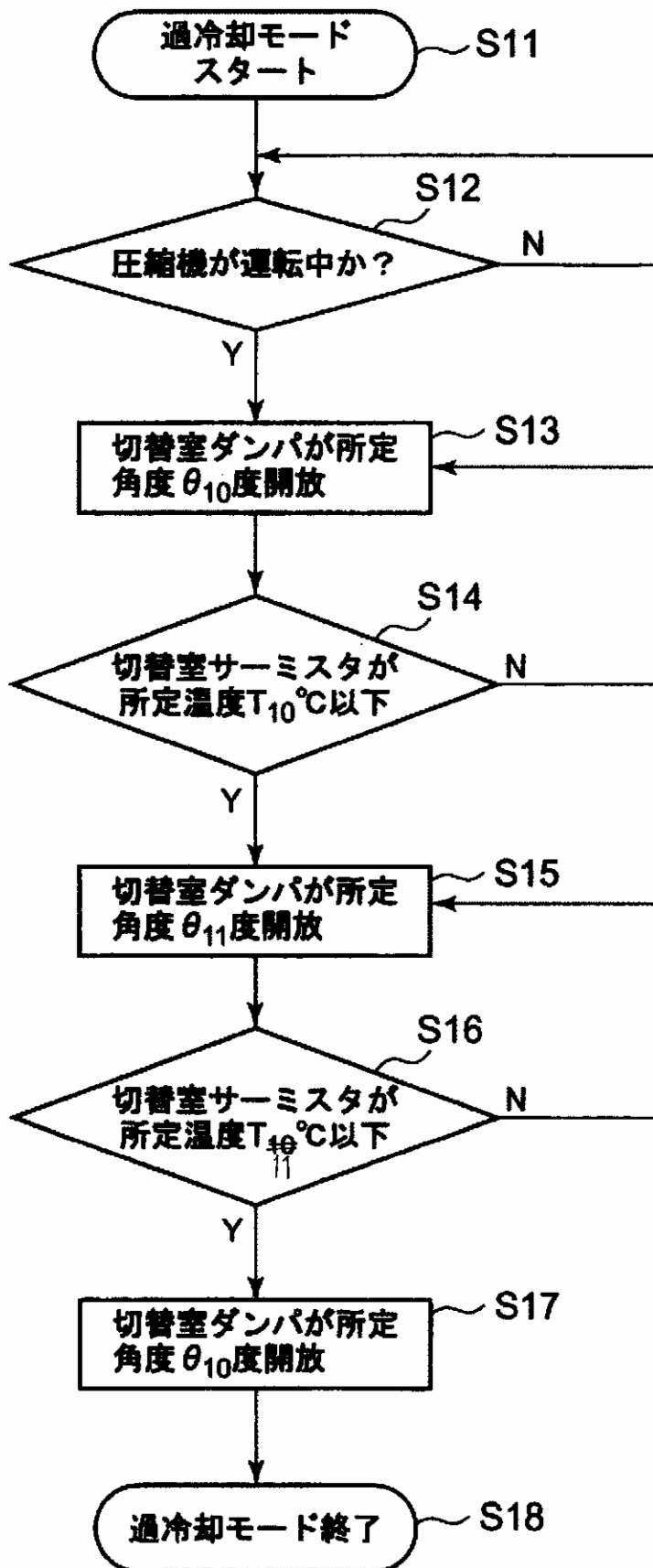


FIG. 7

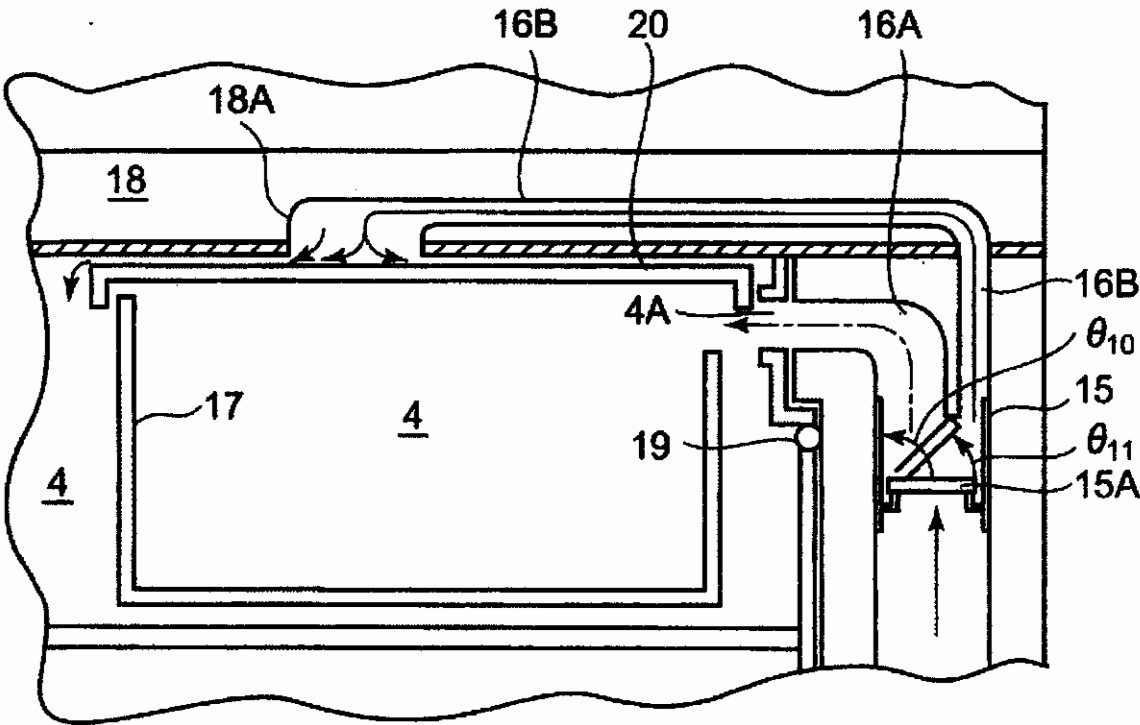


FIG. 8

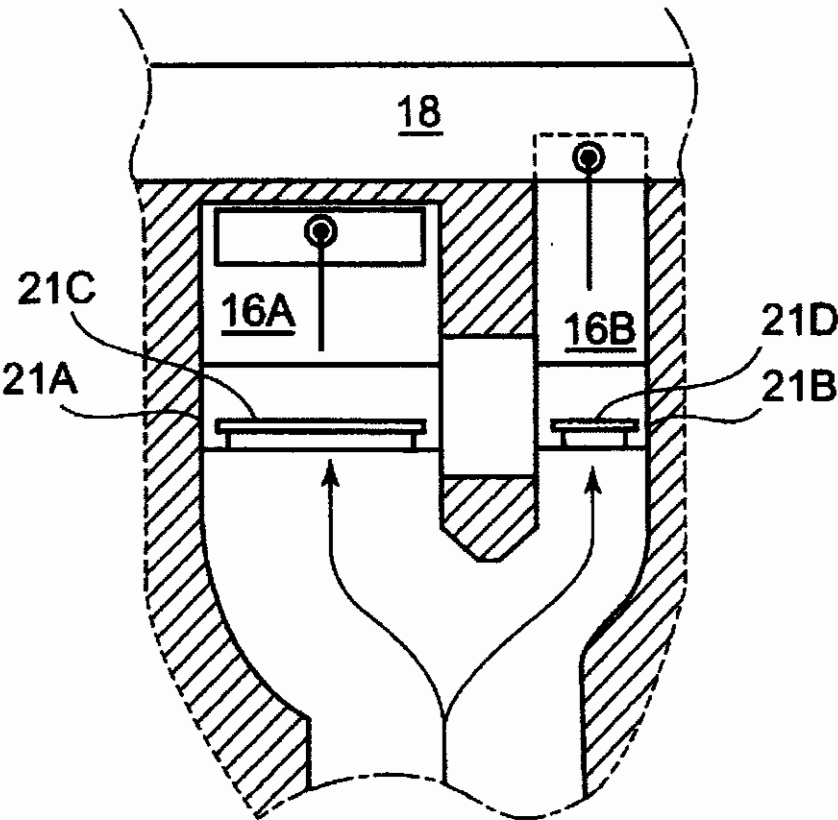


FIG. 9

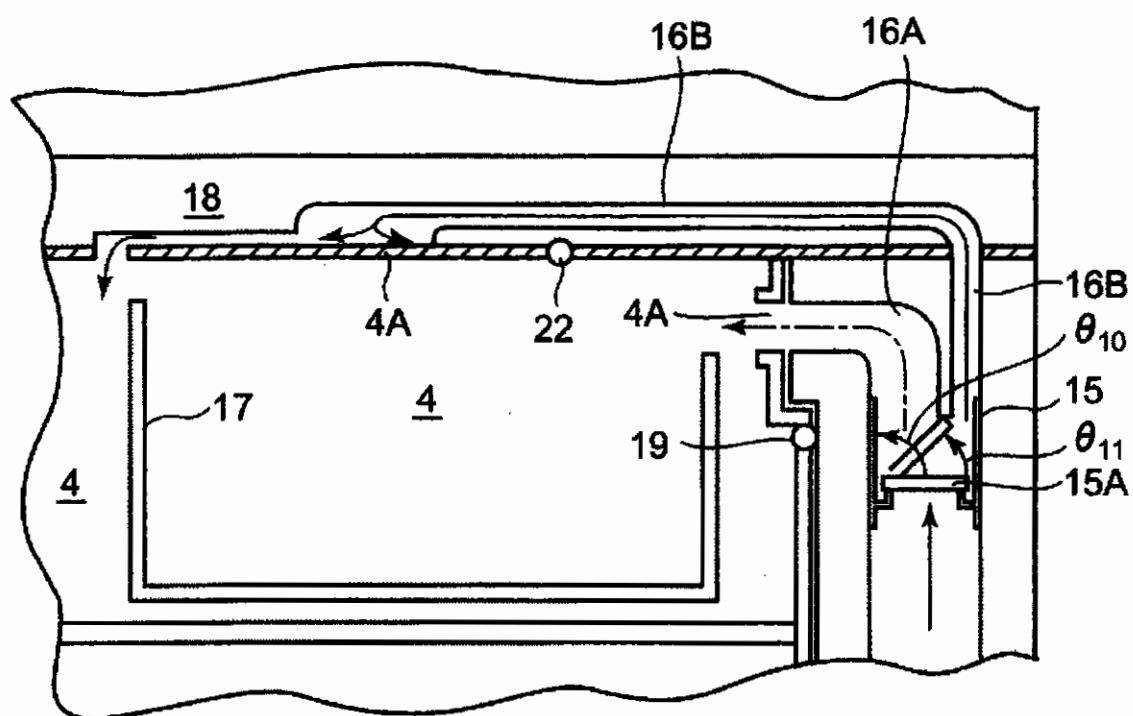


FIG. 10

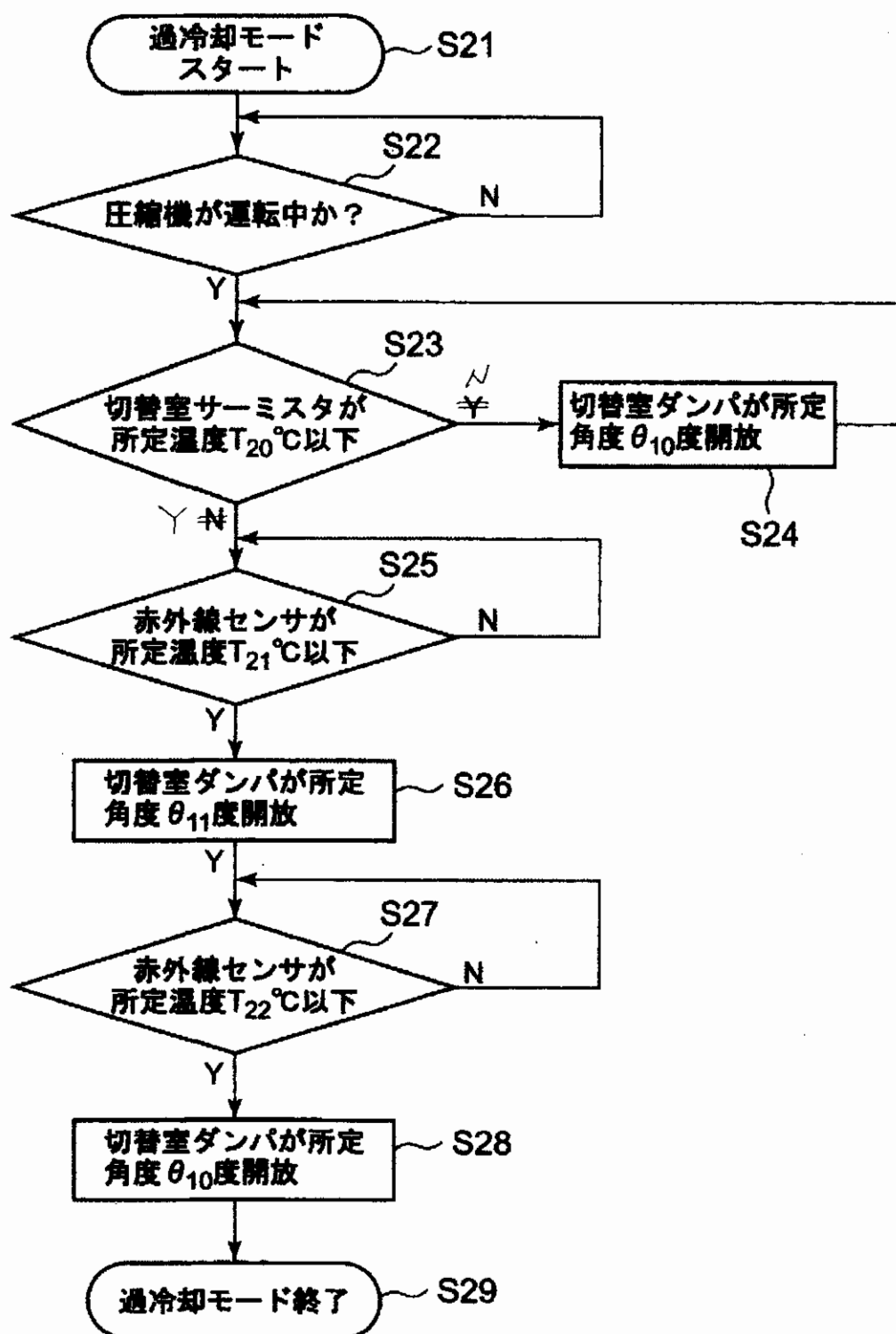


Fig. 4

- S1: COMPRESSOR HAS SATISFIED RUNNING CONDITION?
- S2: TEMPERATURE OF CONVERTIBLE COMPARTMENT DETECTED BY THERMISTOR IS AT PRESCRIBED TEMPERATURE $T_0^{\circ}\text{C}$ OR HIGHER?
- S3: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_0
- S4: CONVERTIBLE COMPARTMENT DAMPER OPENS FOR PRESCRIBED TIME t_0 OR LONGER?
- S5: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_1
- S6: TEMPERATURE CONVERTIBLE COMPARTMENT DETECTED BY THERMISTOR IS AT PRESCRIBED TEMPERATURE $T_1^{\circ}\text{C}$ OR LOWER?
- S7: CONVERTIBLE COMPARTMENT DAMPER IS CLOSED
- S8: CONVERTIBLE COMPARTMENT DAMPER OPENS FOR PRESCRIBED TIME t_1 OR LONGER?
- S9: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_0

Fig. 5

- (A) REFRIGERATING
- (B) CONVERTIBLE
- (C) VEGETABLE
- (D) FREEZING
- (E) REFRIGERATING
- (F) CONVERTIBLE
- (G) VEGETABLE
- (H) FREEZING
- (I) FAST COOLING
- (J) STRONG
- (K) MEDIUM
- (L) WEAK
- (M) INSTANTANEOUS FREEZING
- (N) NORMAL
- (O) FAST
- (P) TRANSPARENT
- (Q) STOP
- (R) COMPARTMENT SELECTION
- (S) TEMPERATURE REGUFATING/FAST COOLING (3 SEC PUSH)
- (T) INSTANTANOUS FREEZING (SUPER-COOLING FREEZING)
- (U) ICE-MAKING CHANGE
- (V) ICE-MAKING PLATE CREENING (5 SEC PUSH)

Fig. 6

S11: SUPER-COOLING MODE STARTS

S12: COMPRESSOR IS RUNNING?

S13: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{10}

S14: TEMPERATURE OF CONVERTIBLE COMPARTMENT DETECTED BY THERMISTOR IS AT PRESCRIBED TEMPERATURE $T_{10}^{\circ}\text{C}$ OR LOWER?

S15: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{11}

S16: CONVERTIBLE COMPARTMENT THERMISTOR IS AT PRESCRIBED TEMPERATURE $T_{11}^{\circ}\text{C}$ OR LOWER?

S17: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{10}

S18: SUPER-COOLING MODE ENDS

Fig. 10

S21: SUPER-COOLING MODE STARTS

S22: COMPRESSOR IS RUNNING?

S23: TEMPERATURE OF CONVERTIBLE COMPARTMENT DETECTED BY THERMISTOR IS AT PRESCRIBED TEMPERATURE $T_{20}^{\circ}\text{C}$ OR LOWER?

S24: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{10}

S25: INFRARED SENSOR IS AT PRESCRIBED TEMPERATURE $T_{21}^{\circ}\text{C}$ OR LOWER

S26: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{11}

S27: INFRARED SENSOR IS AT PRESCRIBED TEMPERATURE $T_{22}^{\circ}\text{C}$ OR LOWER

S28: CONVERTIBLE COMPARTMENT DAMPER IS OPENED BY PRESCRIBED ANGLE θ_{10}

S29: SUPER-COOLING MODE ENDS