FIG. 1

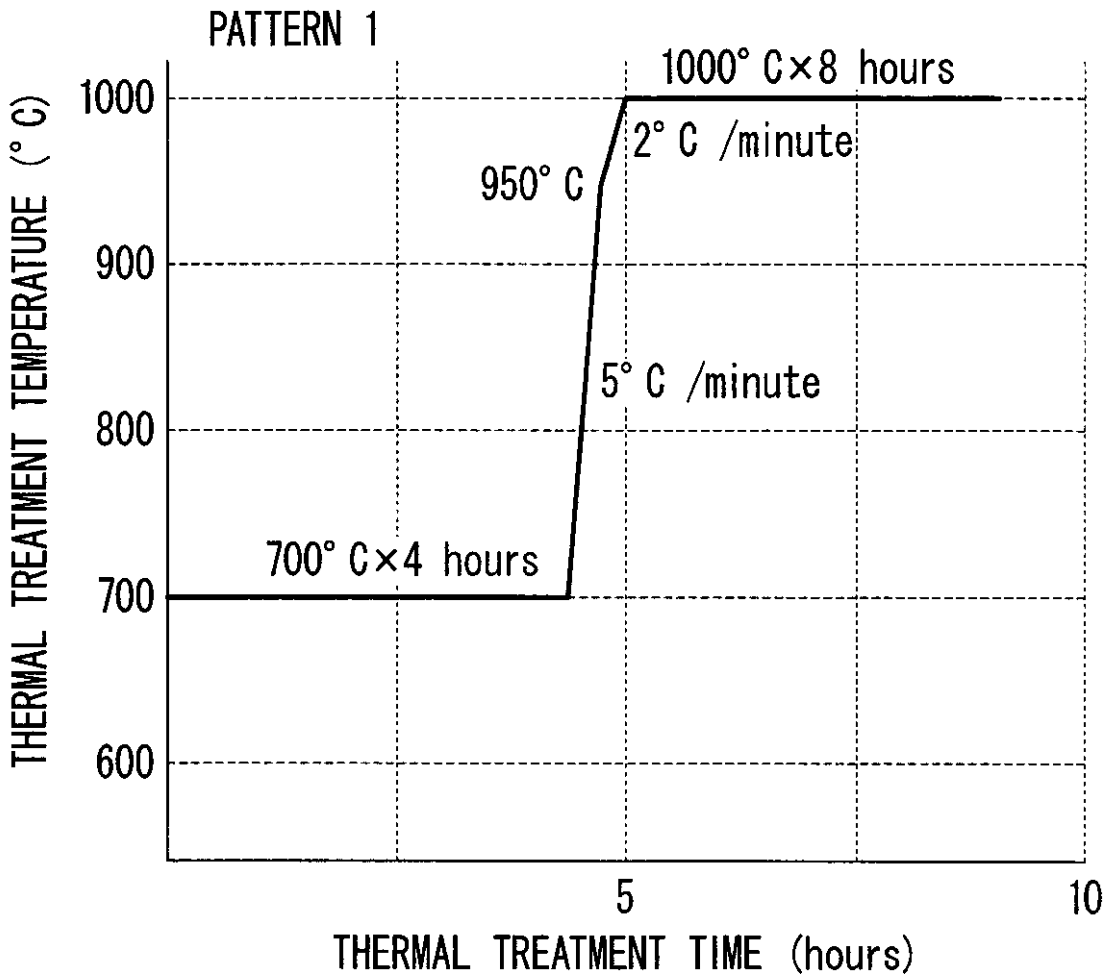

PATTERN 1
1000° C×8 hours
2° C /minute
950° C
5° C /minute
700° C×4 hours
1000
900
800
700
600
THERMAL TREATMENT TEMPERATURE (° C)
5
10
THERMAL TREATMENT TIME (hours)

FIG. 2

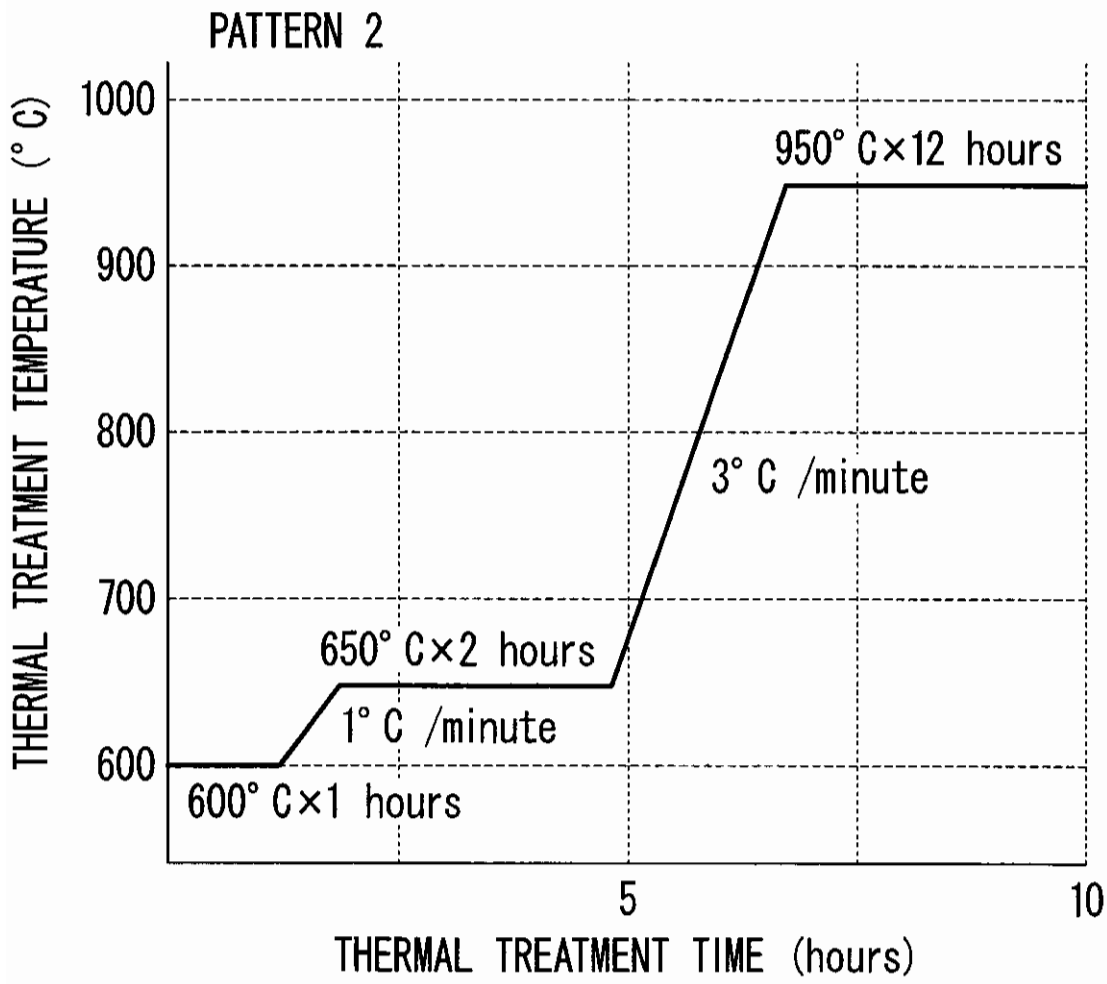

PATTERN 2
THERMAL TREATMENT TEMPERATURE (° C)
1000
900
800
700
600
950° C×12 hours
3° C /minute
650° C×2 hours
1° C /minute
600° C×1 hours
5
10
THERMAL TREATMENT TIME (hours)

FIG. 3

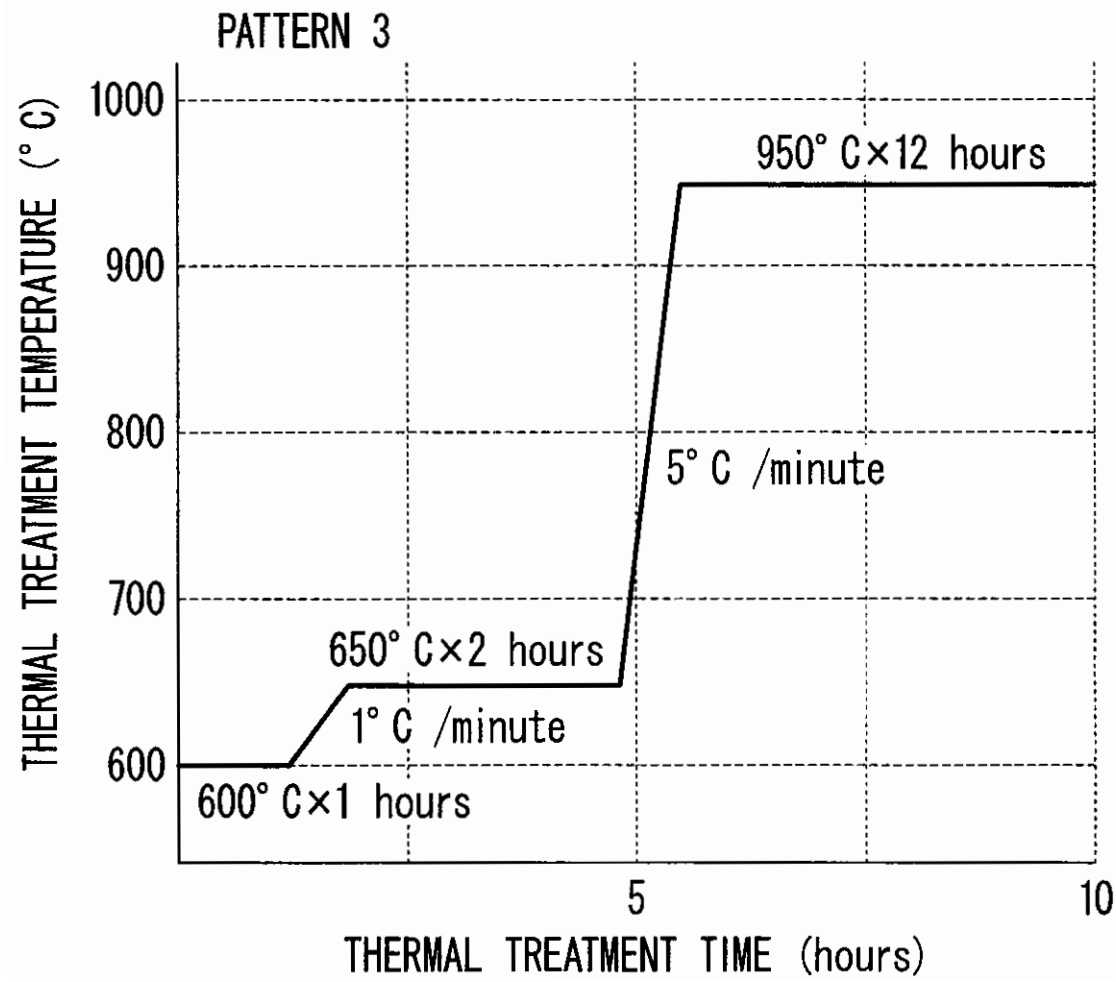

PATTERN 3
THERMAL TREATMENT TEMPERATURE (°C)
1000
900
800
700
600
950° C×12 hours
5° C /minute
650° C×2 hours
1° C /minute
600° C×1 hours
5
10
THERMAL TREATMENT TIME (hours)

FIG. 4

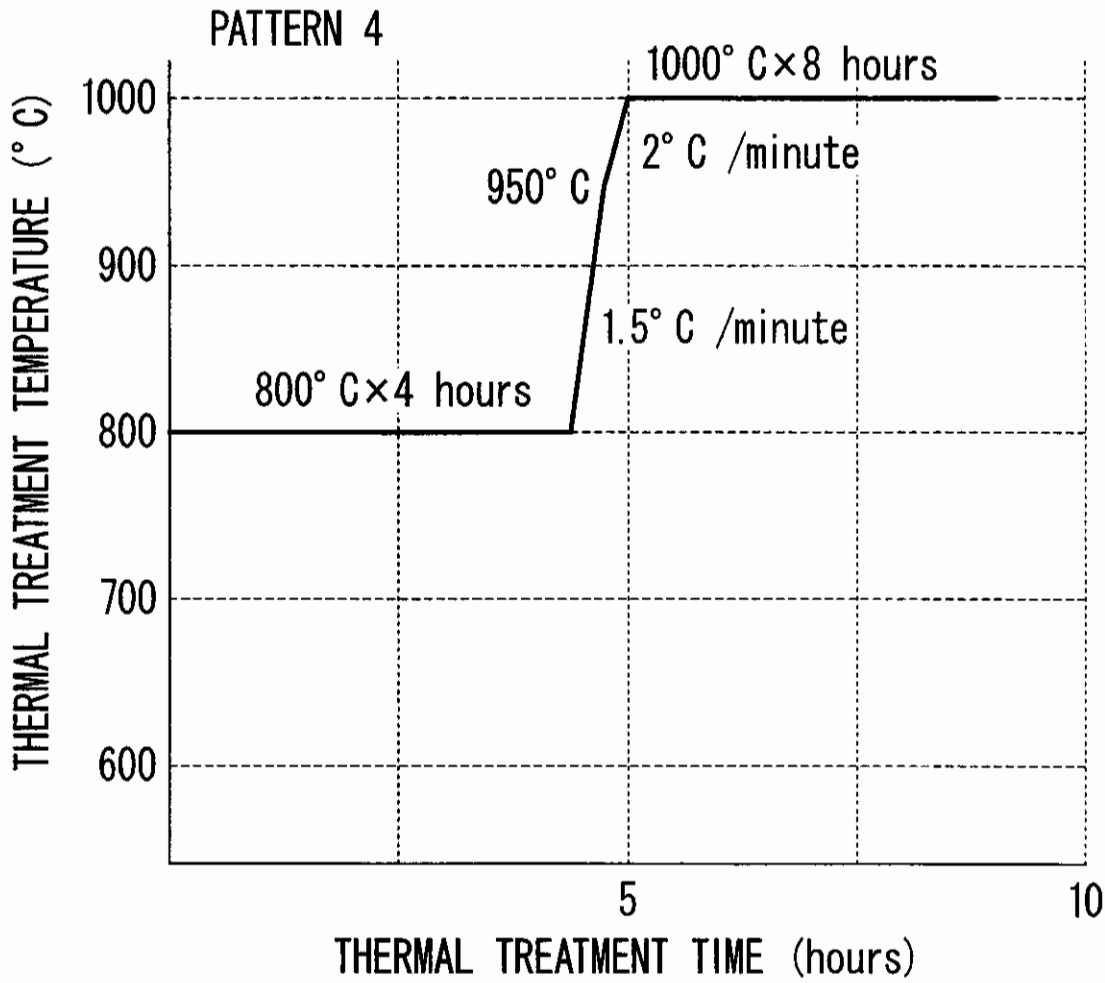
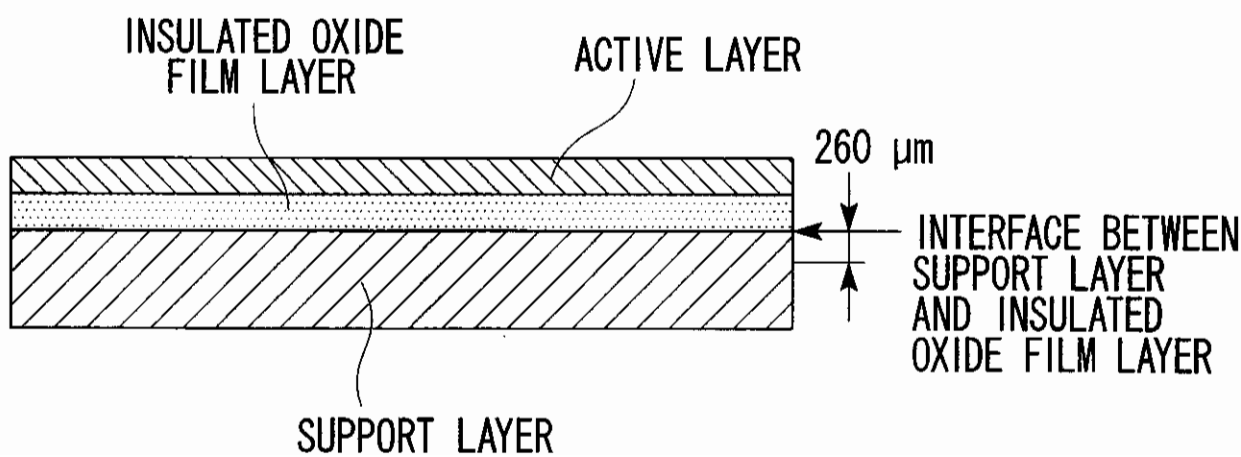

PATTERN 4
1000° C×8 hours
2° C /minute
950° C
1.5° C /minute
800° C×4 hours
1000
900
800
700
600
THERMAL TREATMENT TEMPERATURE (° C)
5
10
THERMAL TREATMENT TIME (hours)

FIG. 5


INSULATED OXIDE FILM LAYER
ACTIVE LAYER
260 μm
INTERFACE BETWEEN SUPPORT LAYER AND INSULATED OXIDE FILM LAYER
SUPPORT LAYER