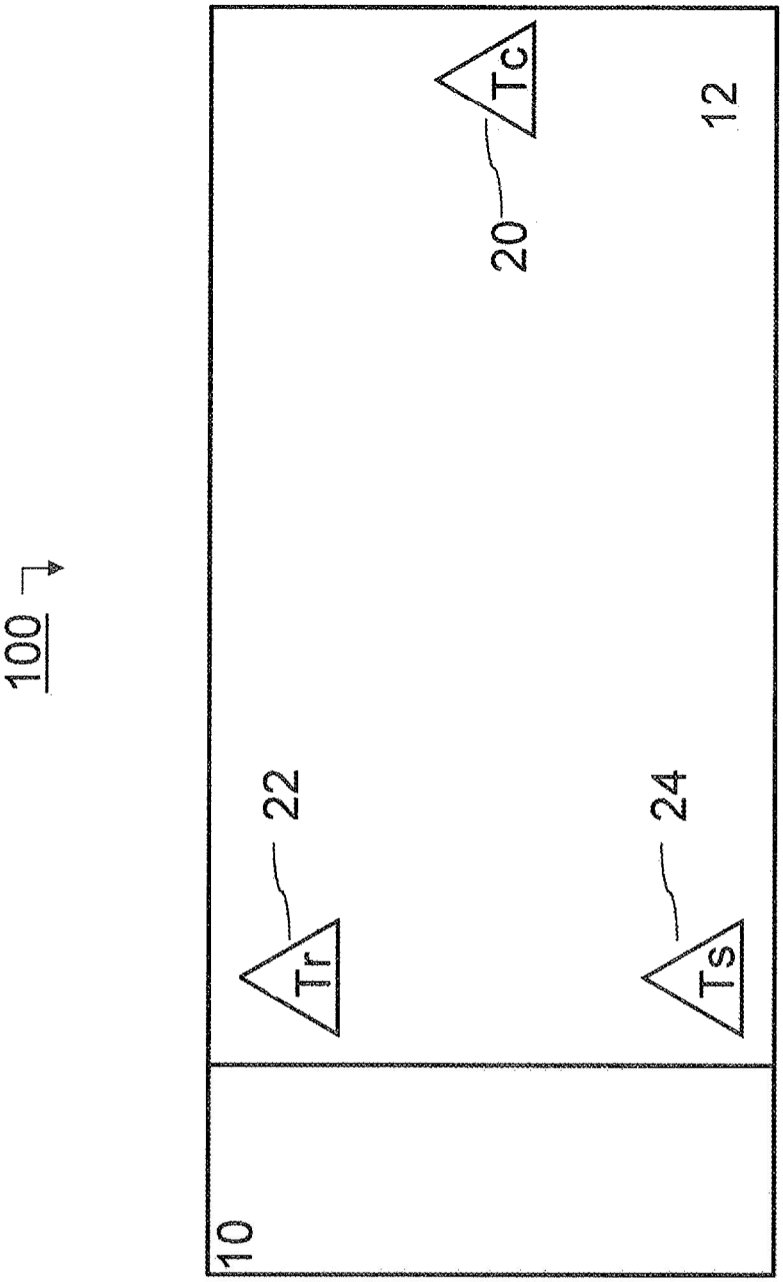

FIG. 1

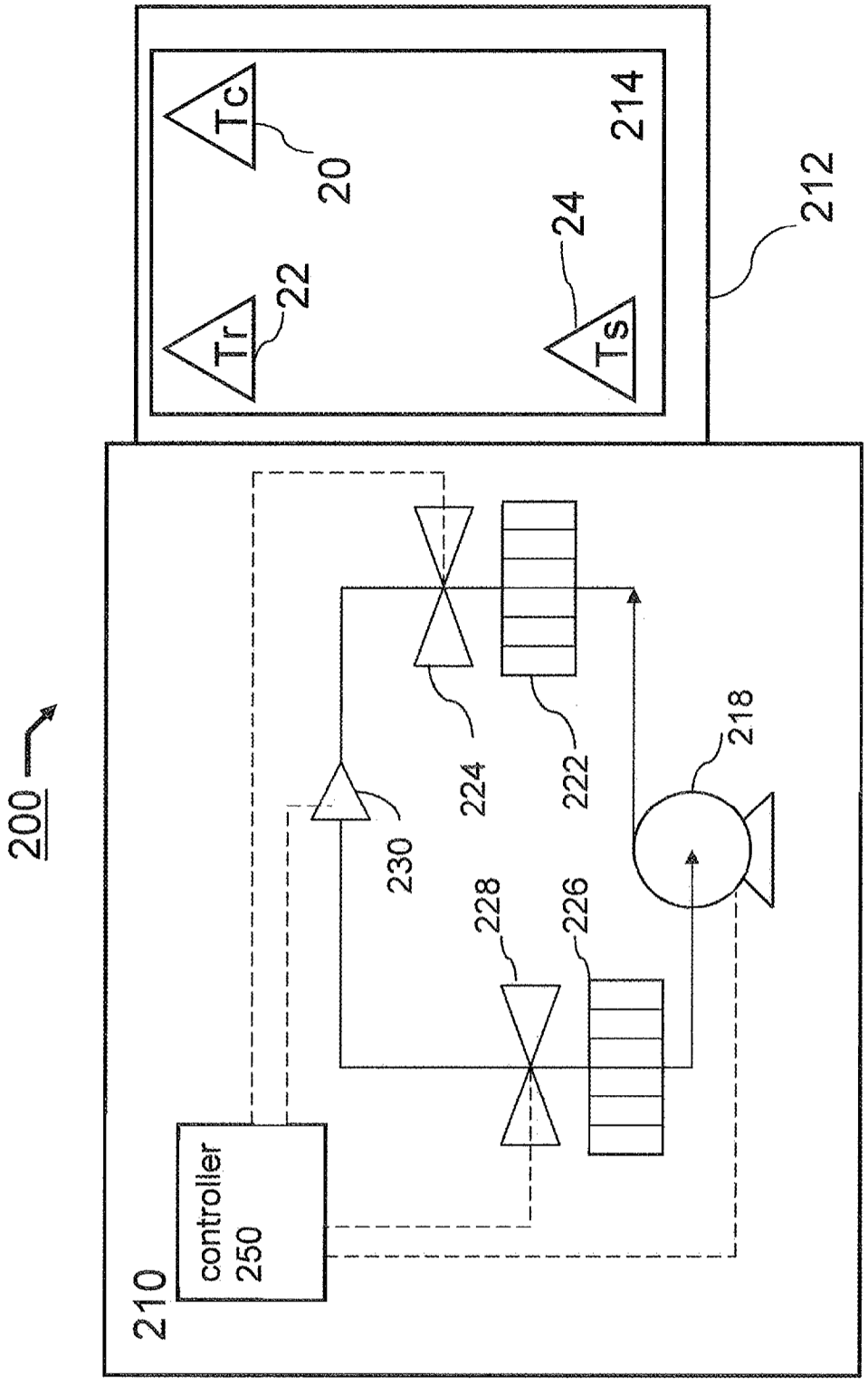
200
210
212
214
Tc
20
Tr
22
24
Ts
218
224
222
230
228
226
controller
250

FIG. 2

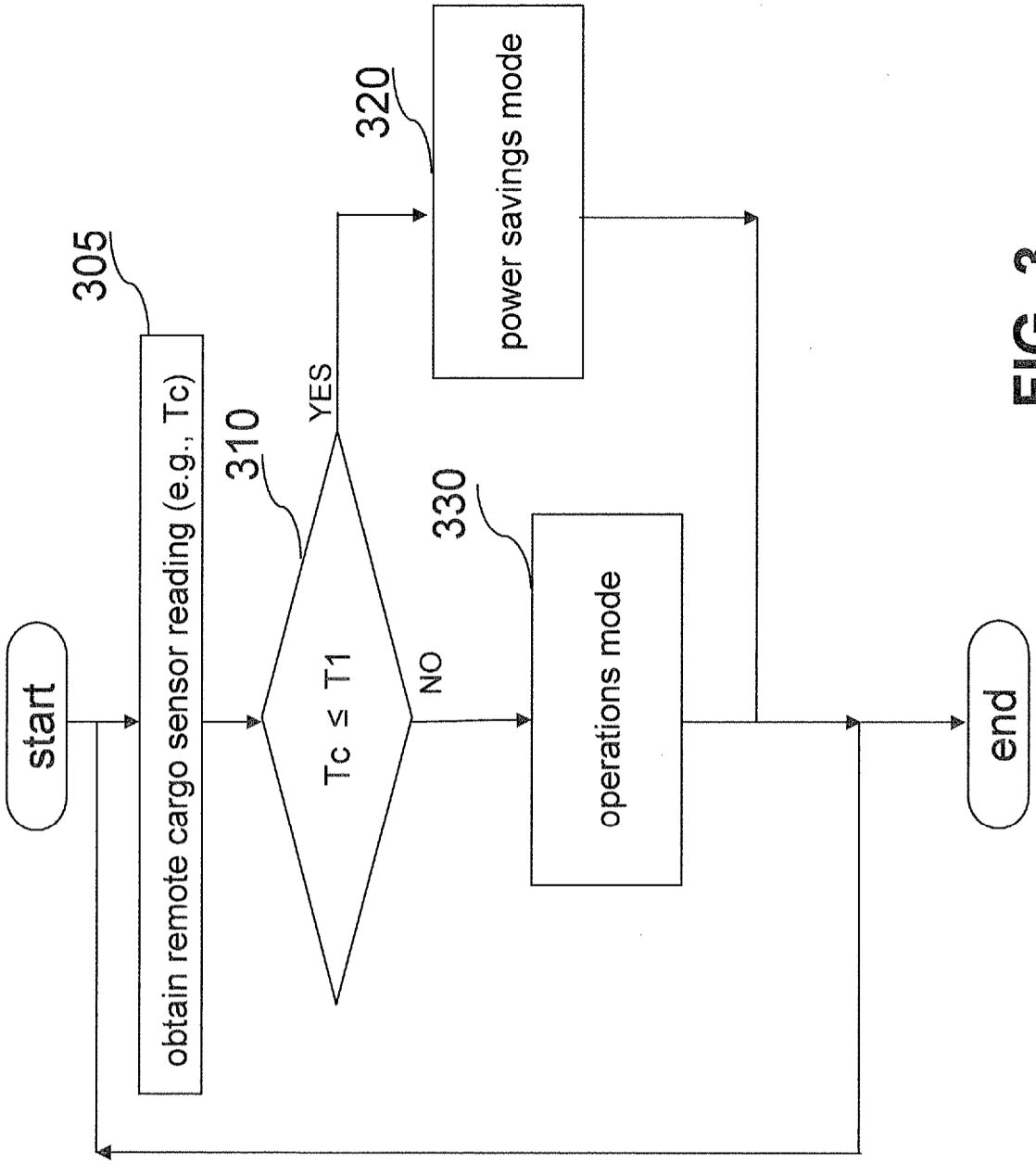
start
obtain remote cargo sensor reading (e.g., Tc)
305
Tc ≤ T1
310
YES
NO
power savings mode
320
operations mode
330
end

FIG. 3

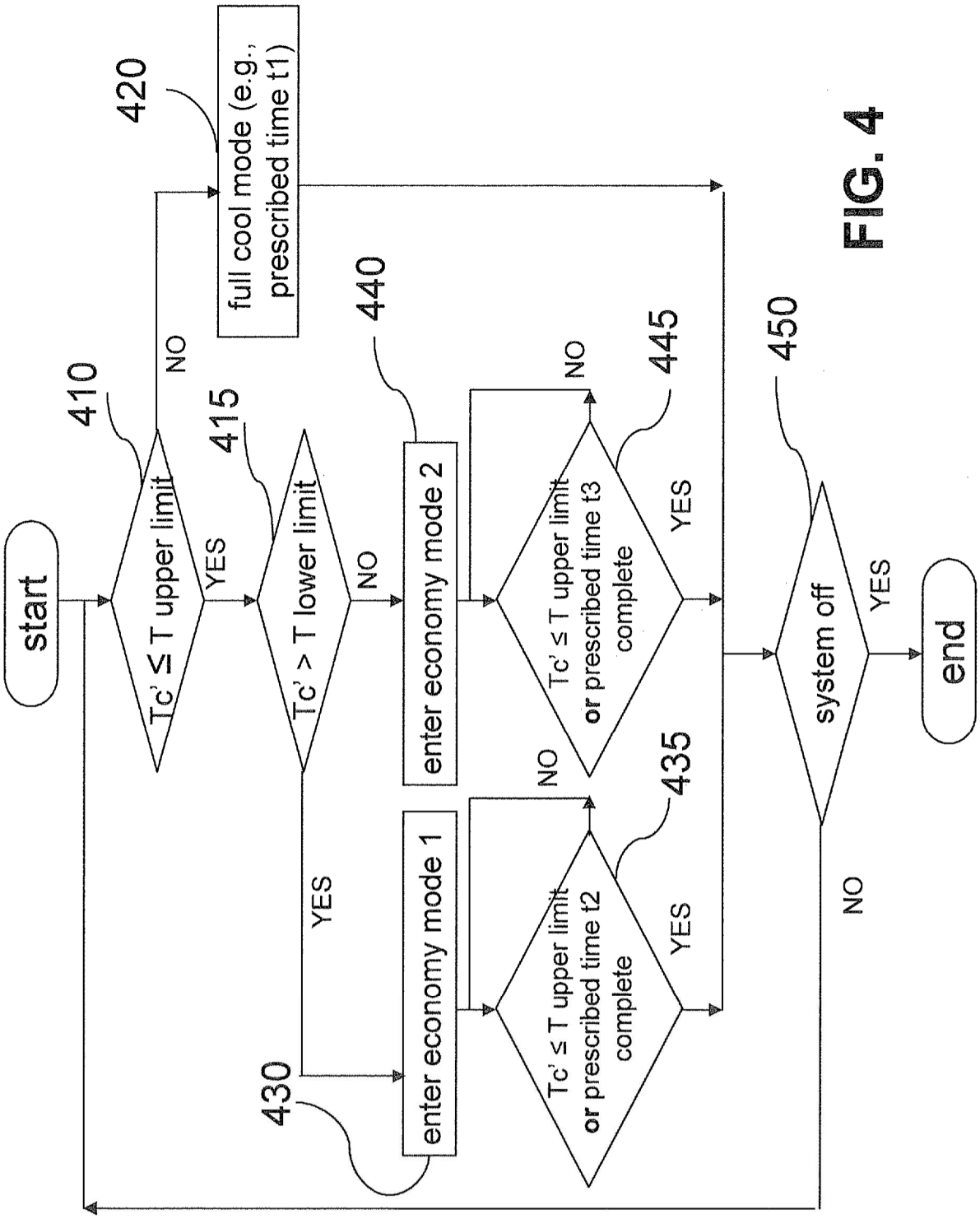
start
Tc' ≤ T upper limit
YES
NO
410
Tc' > T lower limit
YES
NO
415
full cool mode (e.g., prescribed time t1)
420
enter economy mode 1
430
enter economy mode 2
440
Tc' ≤ T upper limit or prescribed time t2 complete
YES
NO
435
Tc' ≤ T upper limit or prescribed time t3 complete
YES
NO
445
system off
YES
NO
450
end

FIG. 4

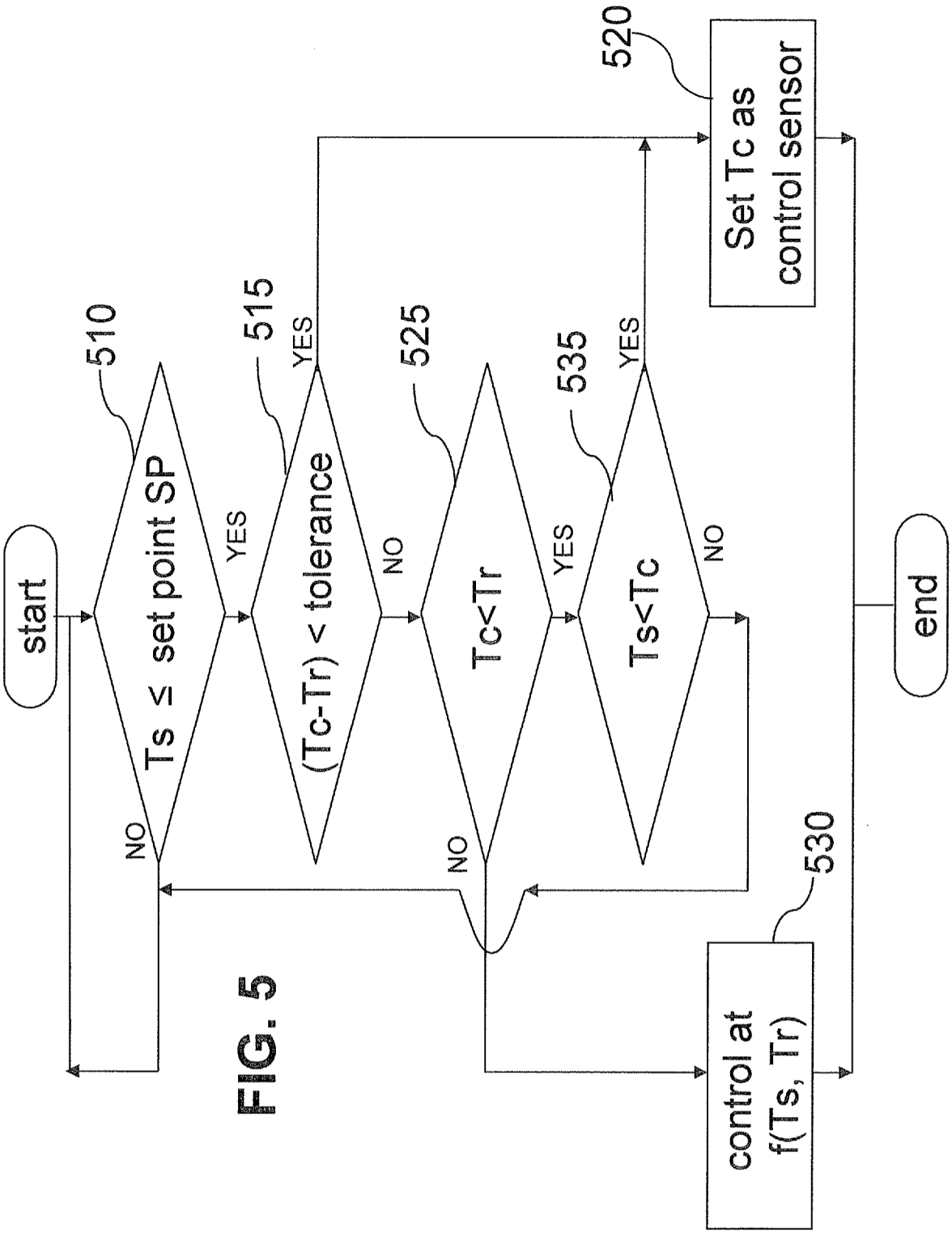
start
Ts ≤ set point SP
510
NO
YES
(Tc-Tr) < tolerance
515
YES
NO
Tc<Tr
525
YES
NO
Ts<Tc
535
YES
NO
Set Tc as control sensor
520
control at f(Ts, Tr)
530
end

FIG. 5

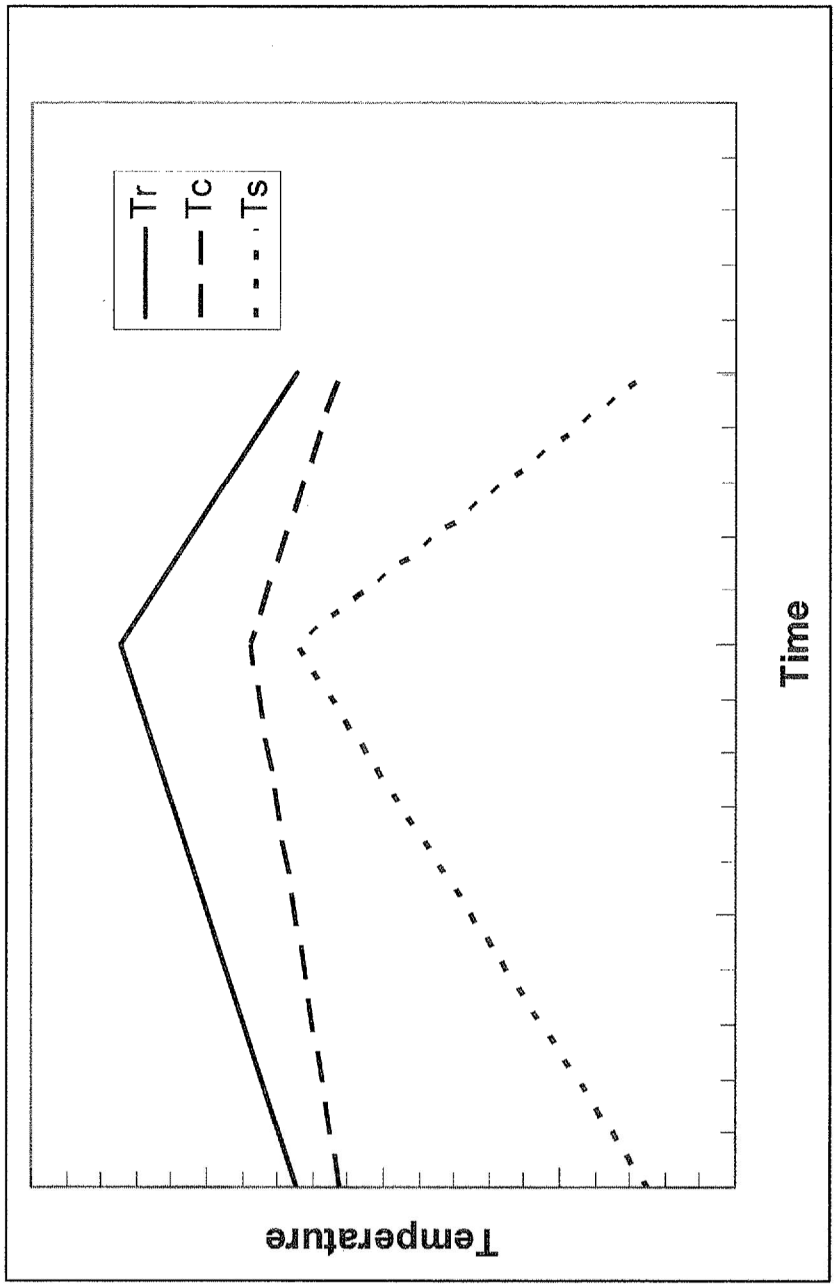

FIG. 6

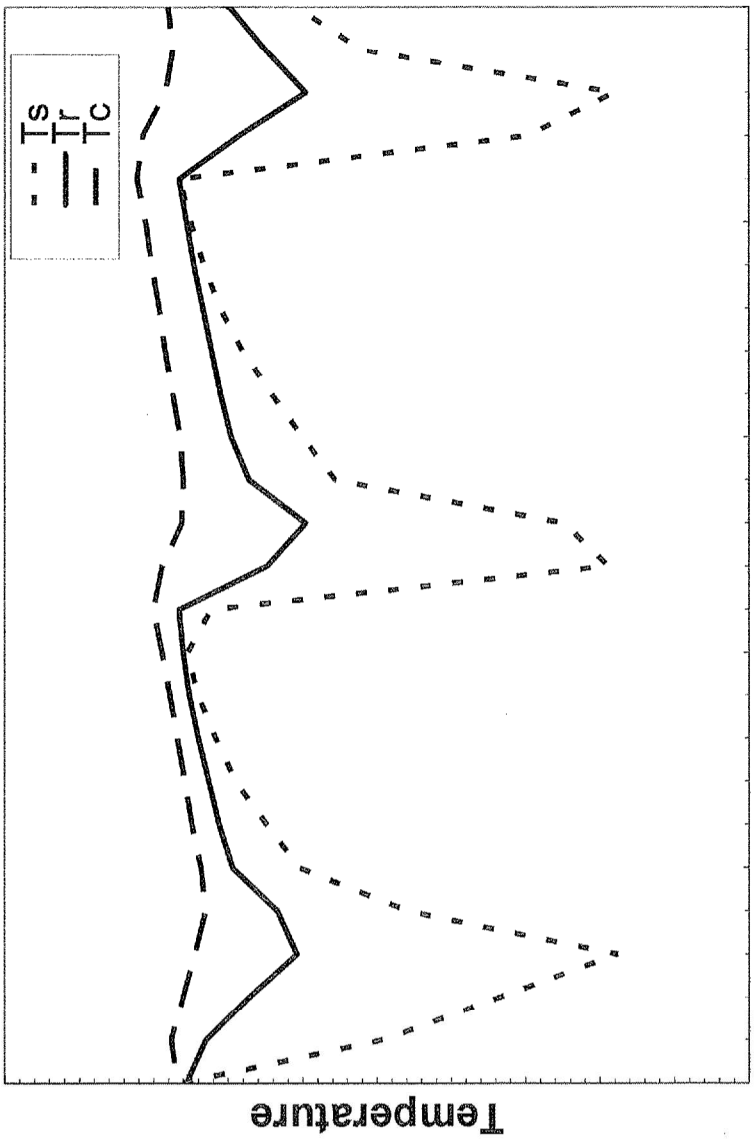

FIG. 7

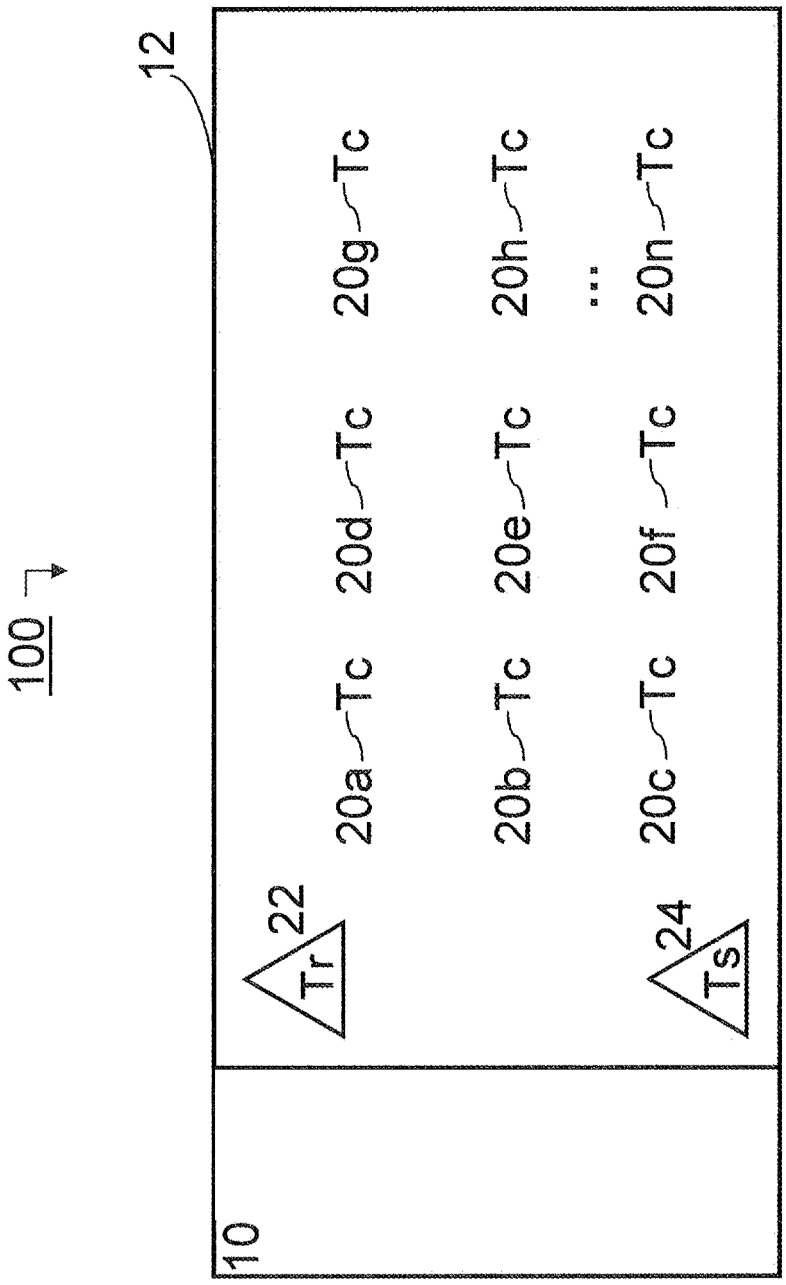
100
12
10
22
Tr
24
Ts
20a Tc
20b Tc
20c Tc
20d Tc
20e Tc
20f Tc
20g Tc
20h Tc
...
20n Tc

FIG. 8