

FIG. 1

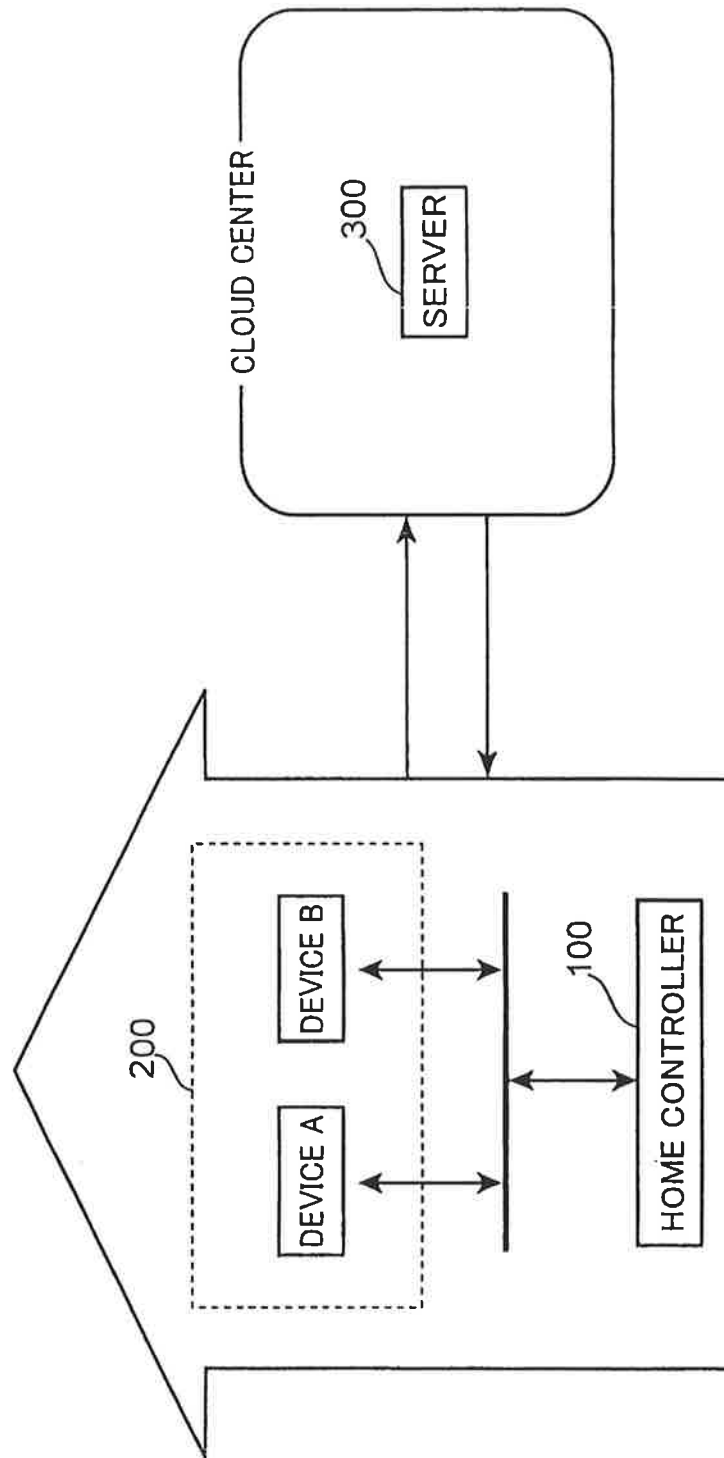


FIG. 2

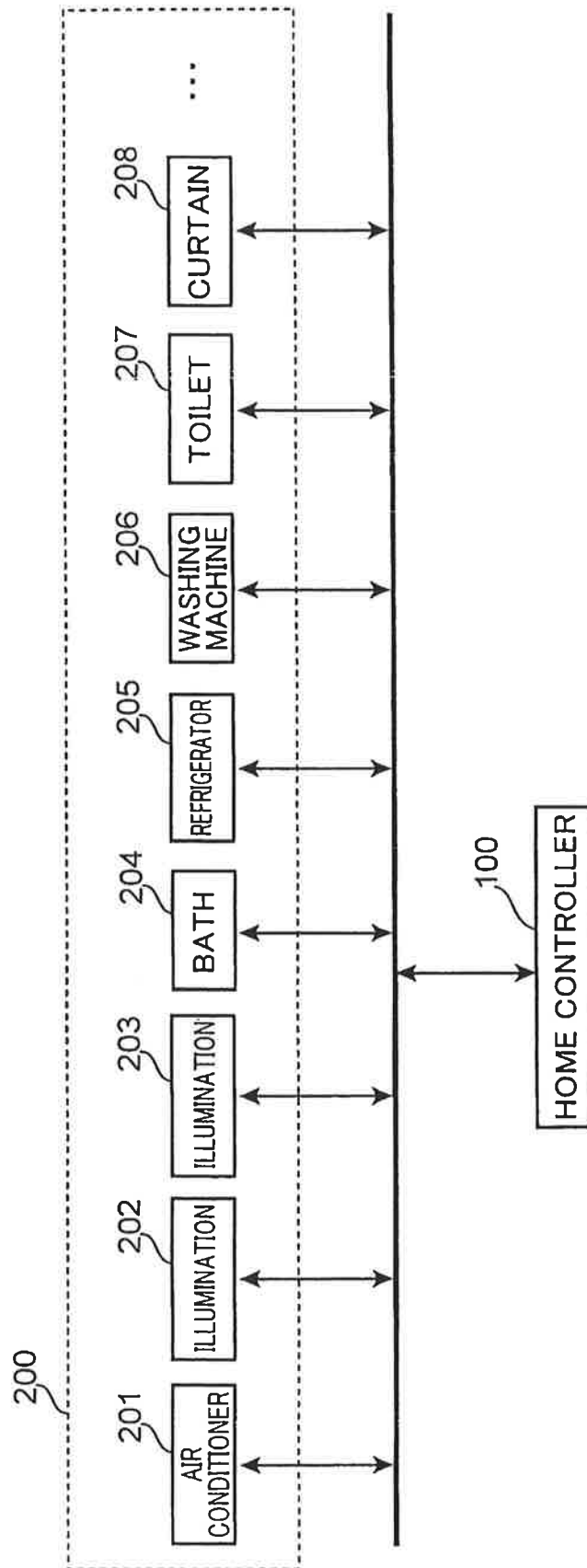


FIG. 3

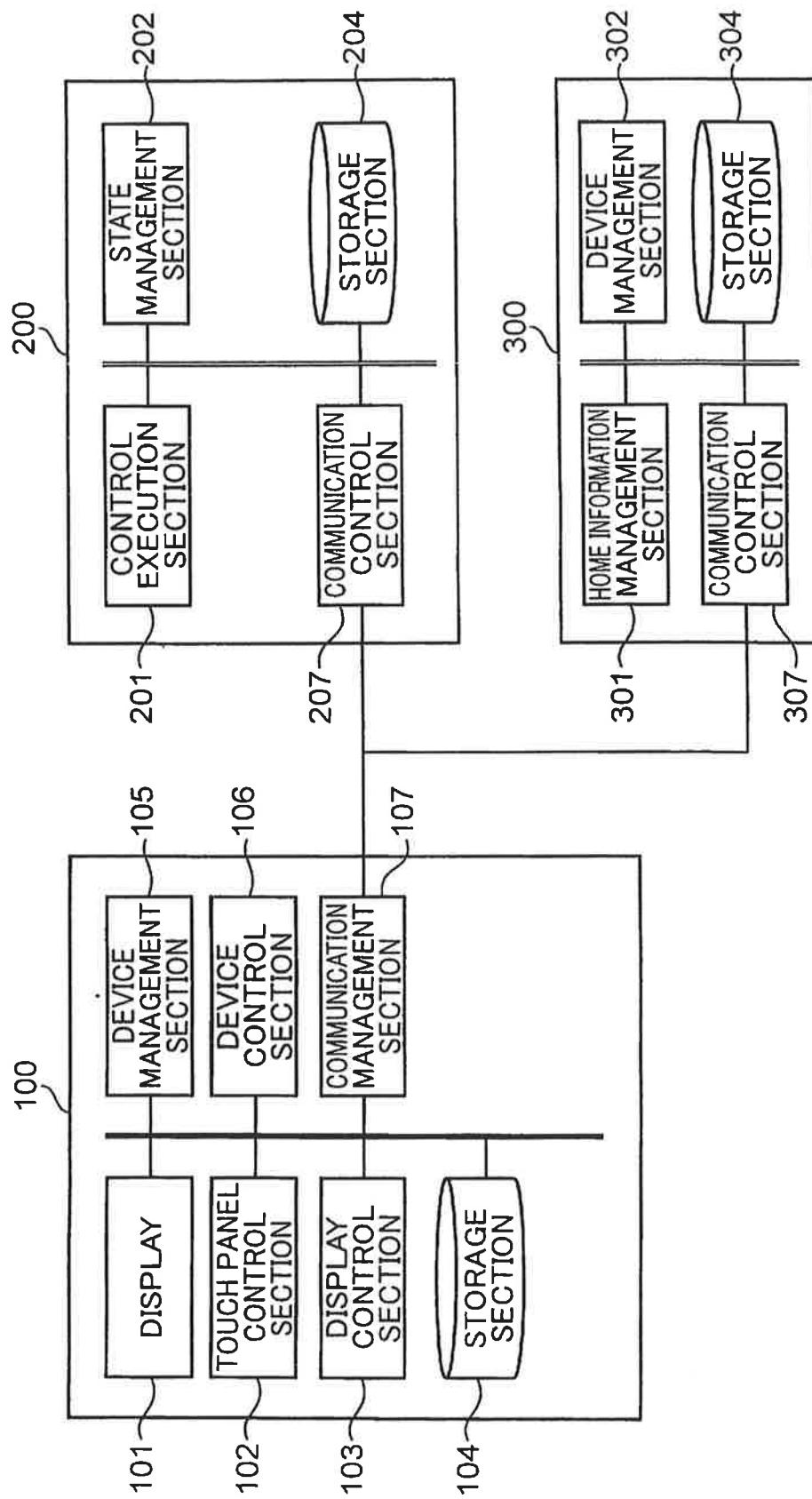


FIG. 4

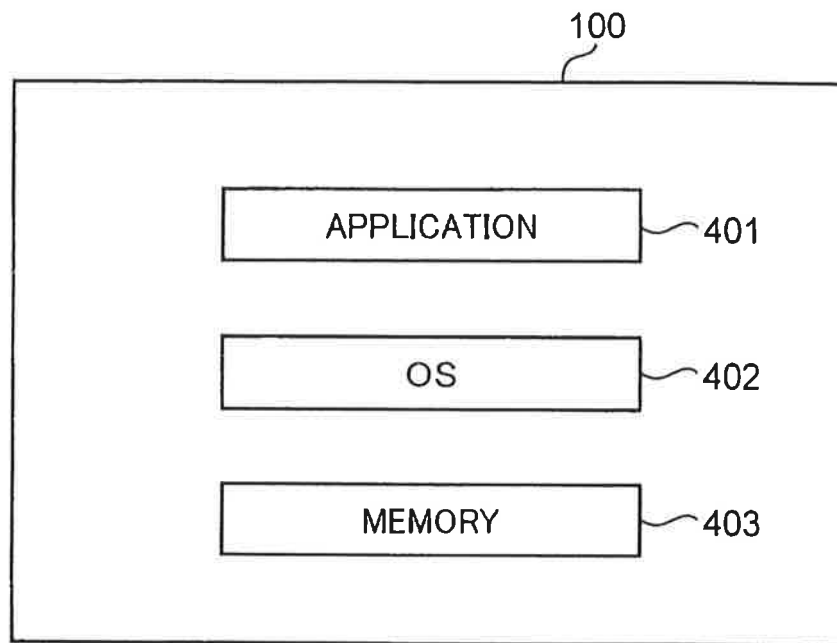


FIG. 5

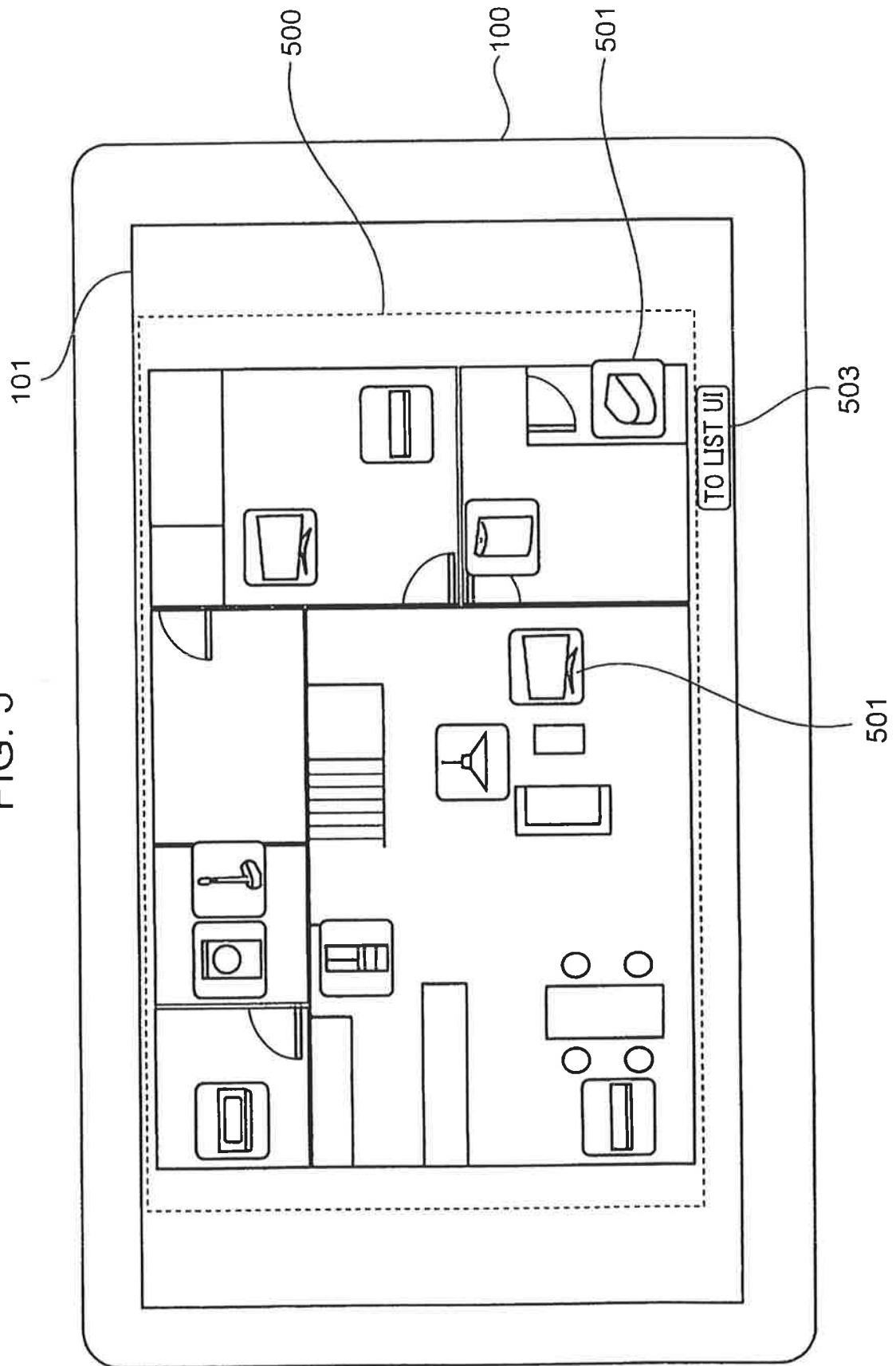


FIG. 6

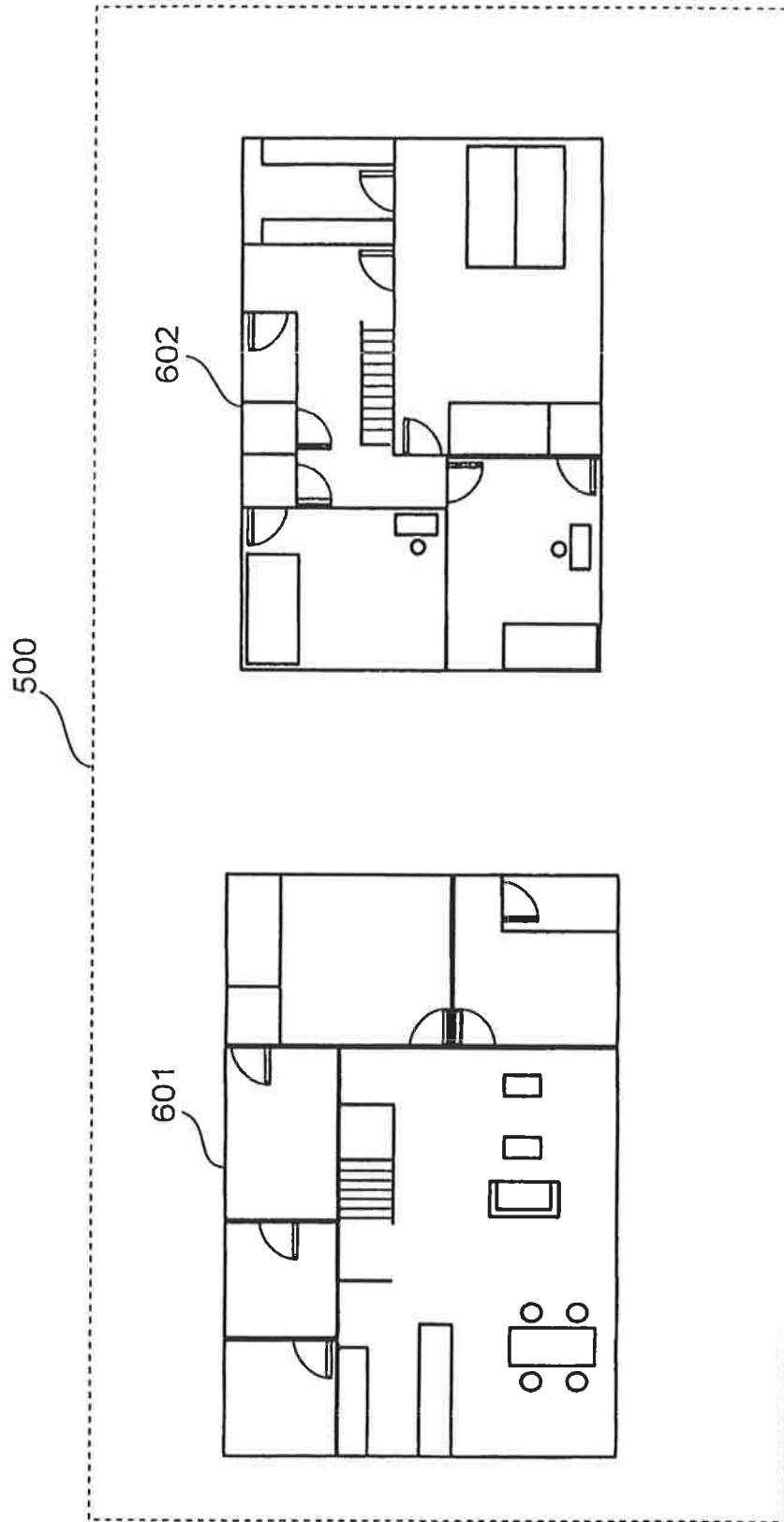


FIG. 7

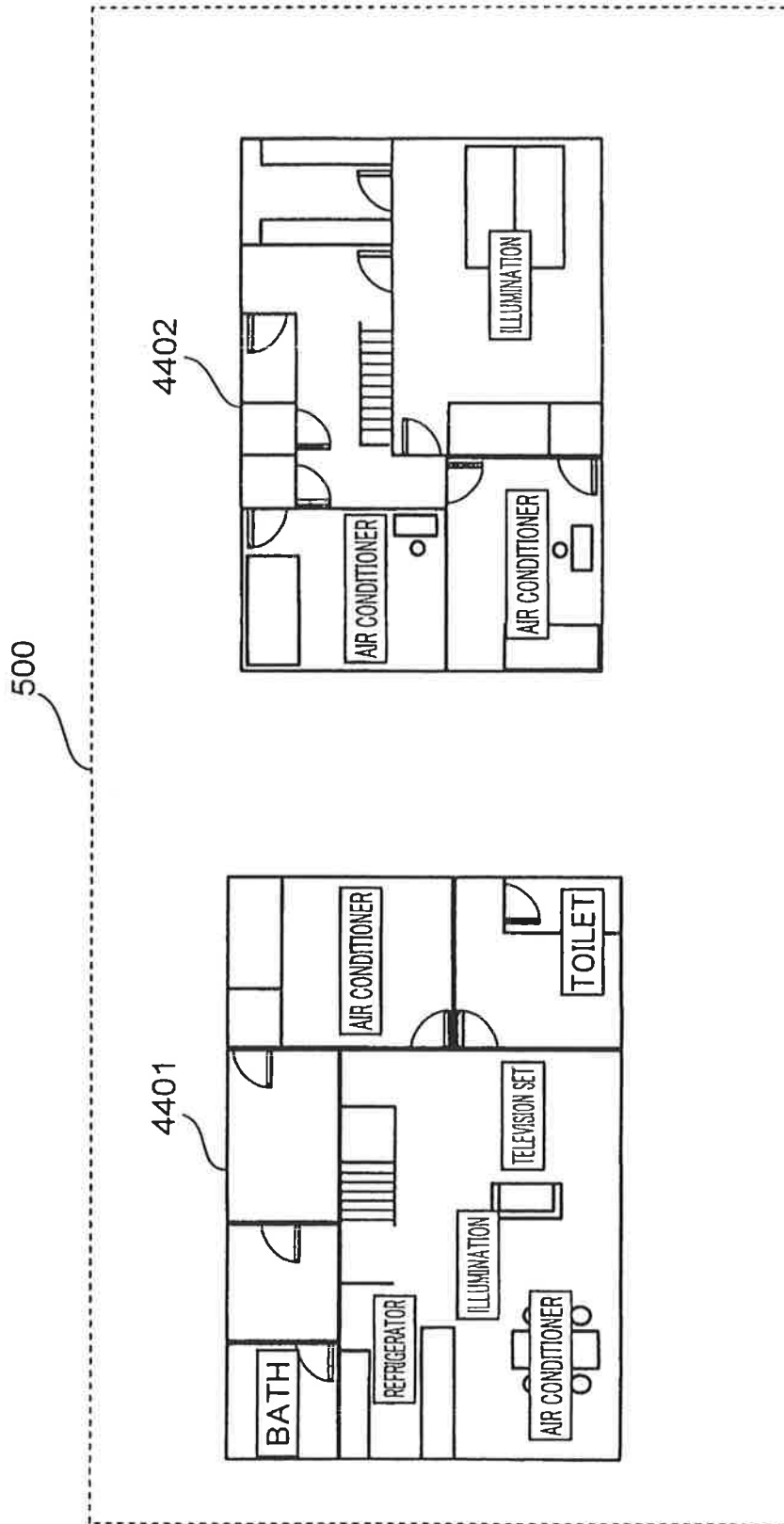


FIG. 8

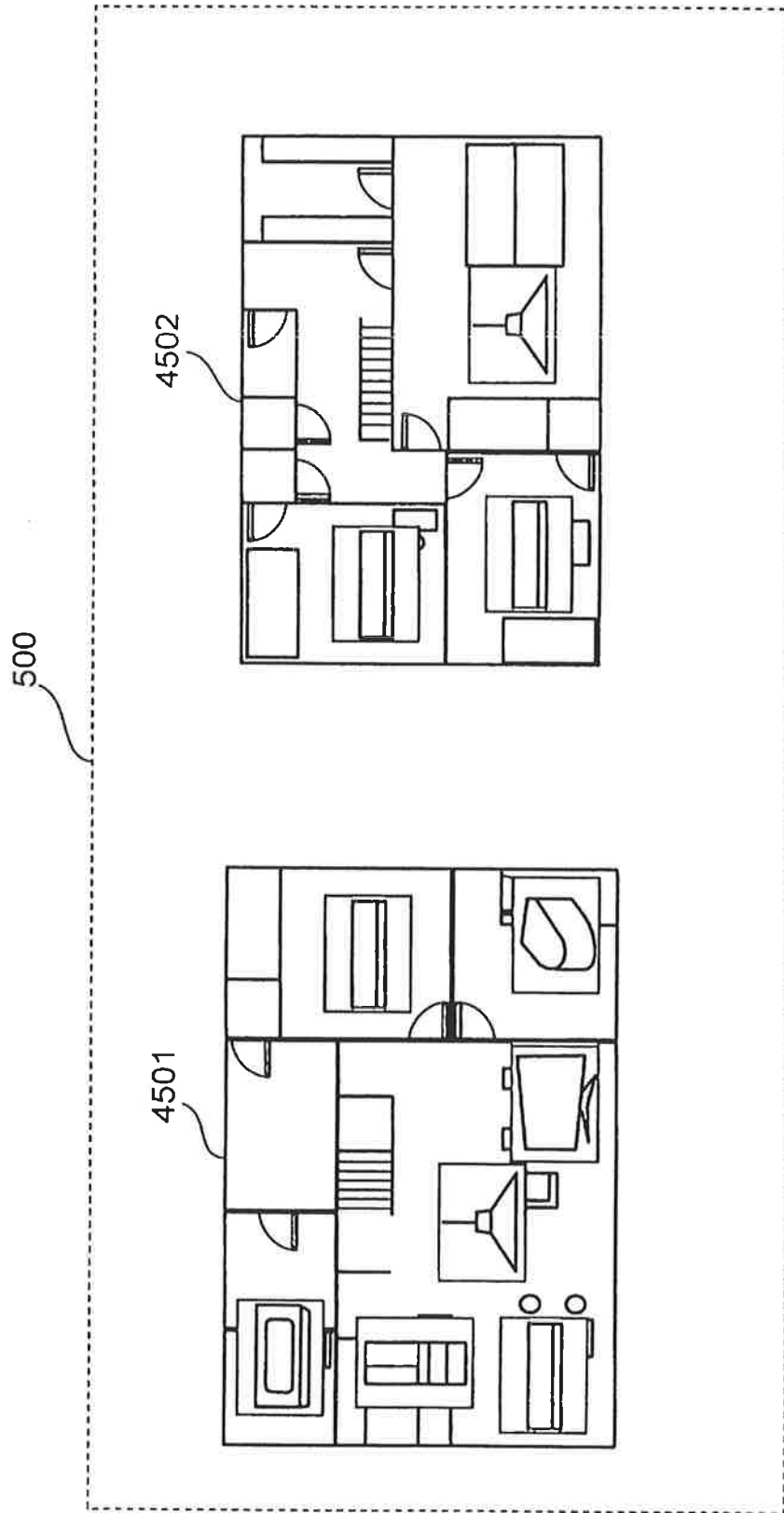


FIG. 9

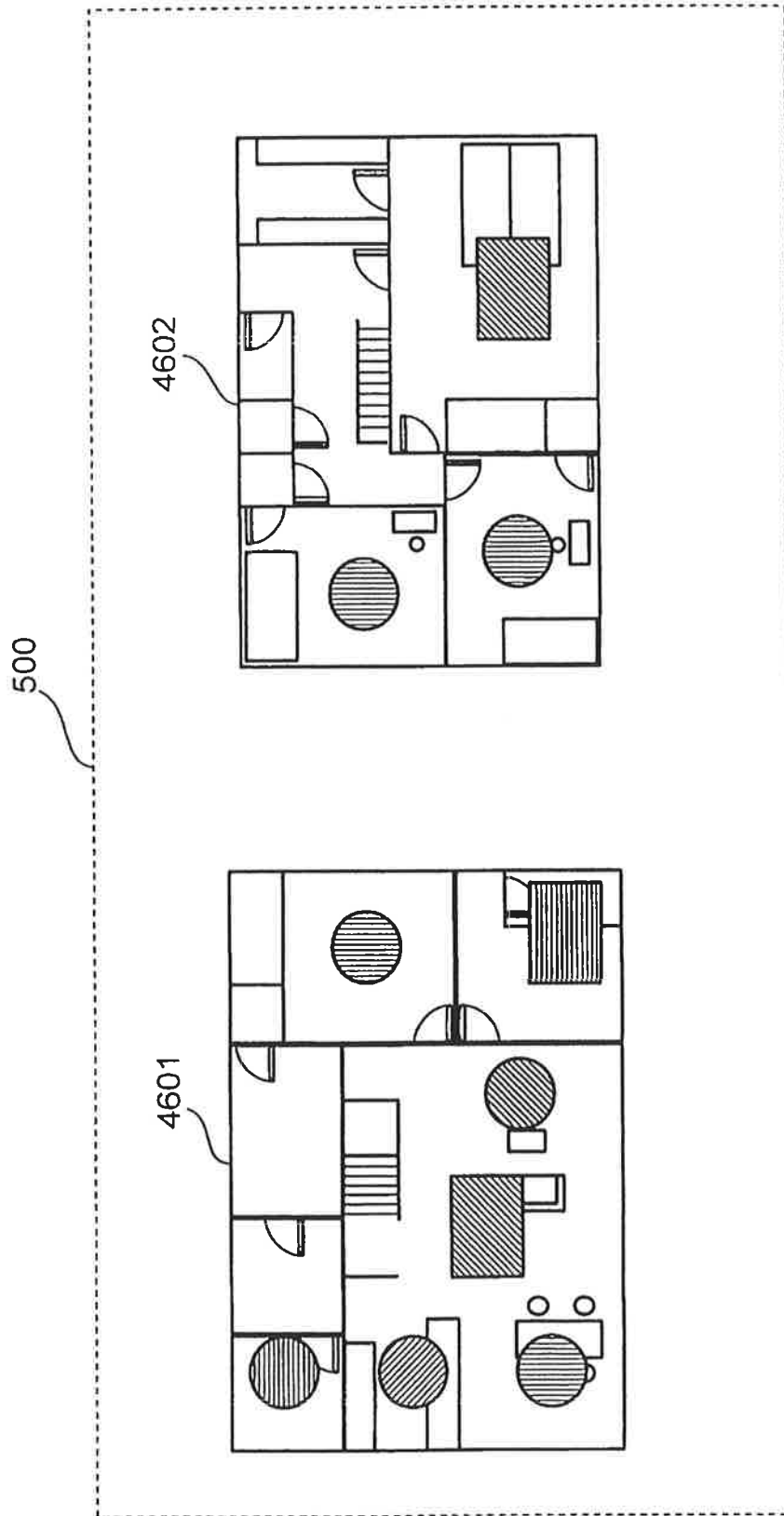


FIG. 10

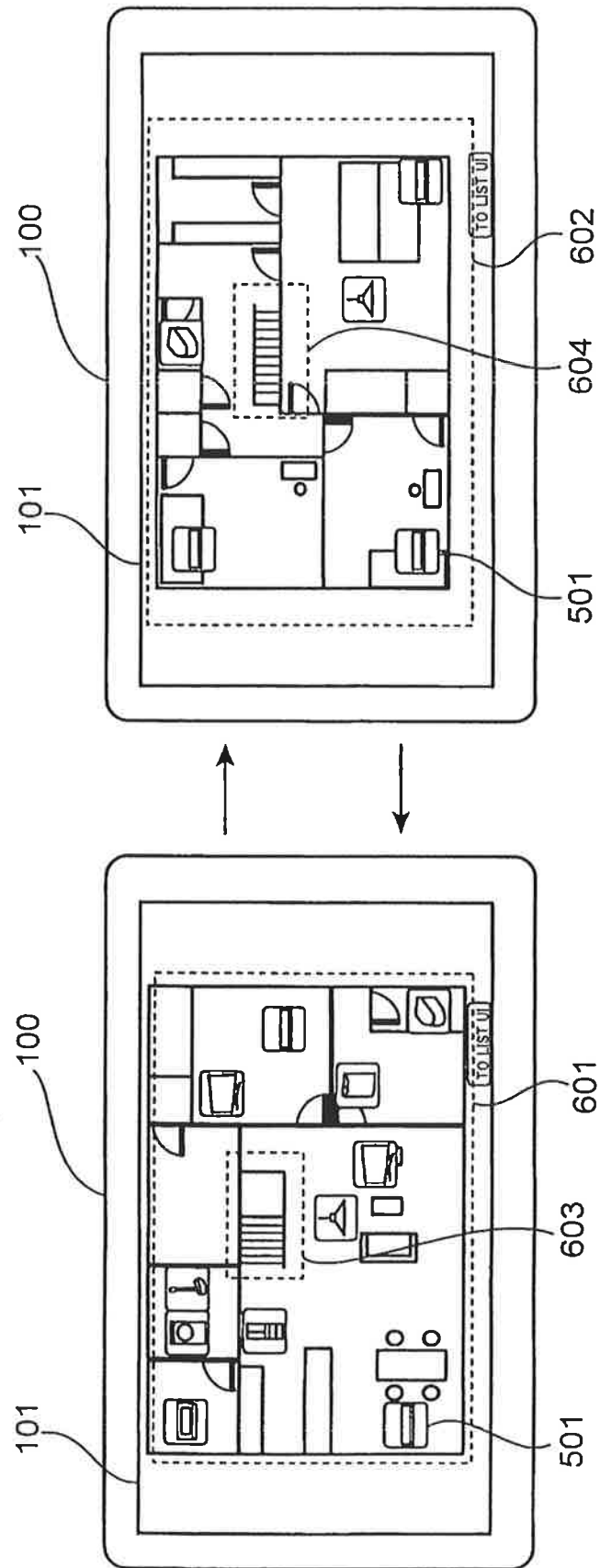


FIG. 11

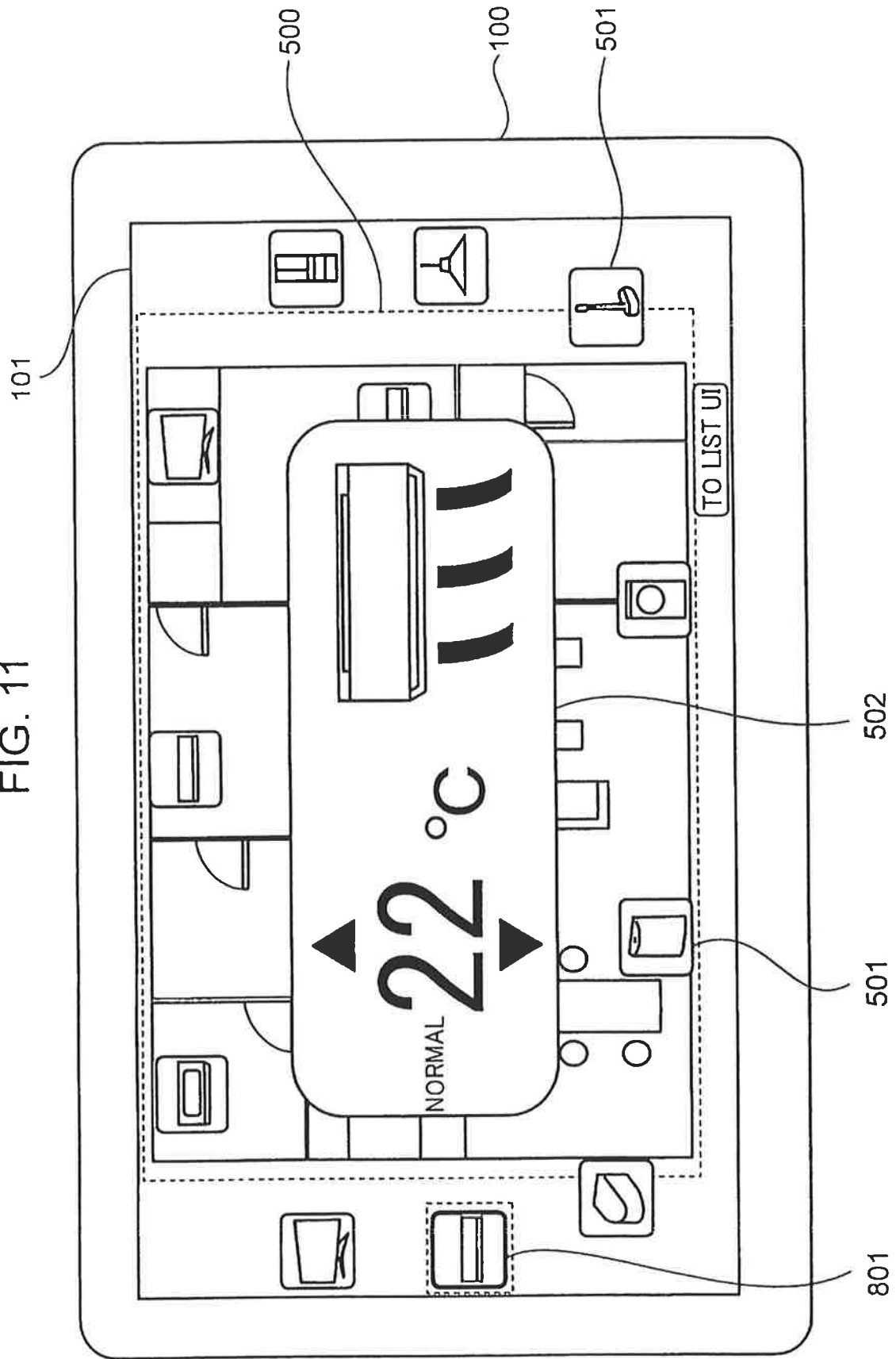


FIG. 12

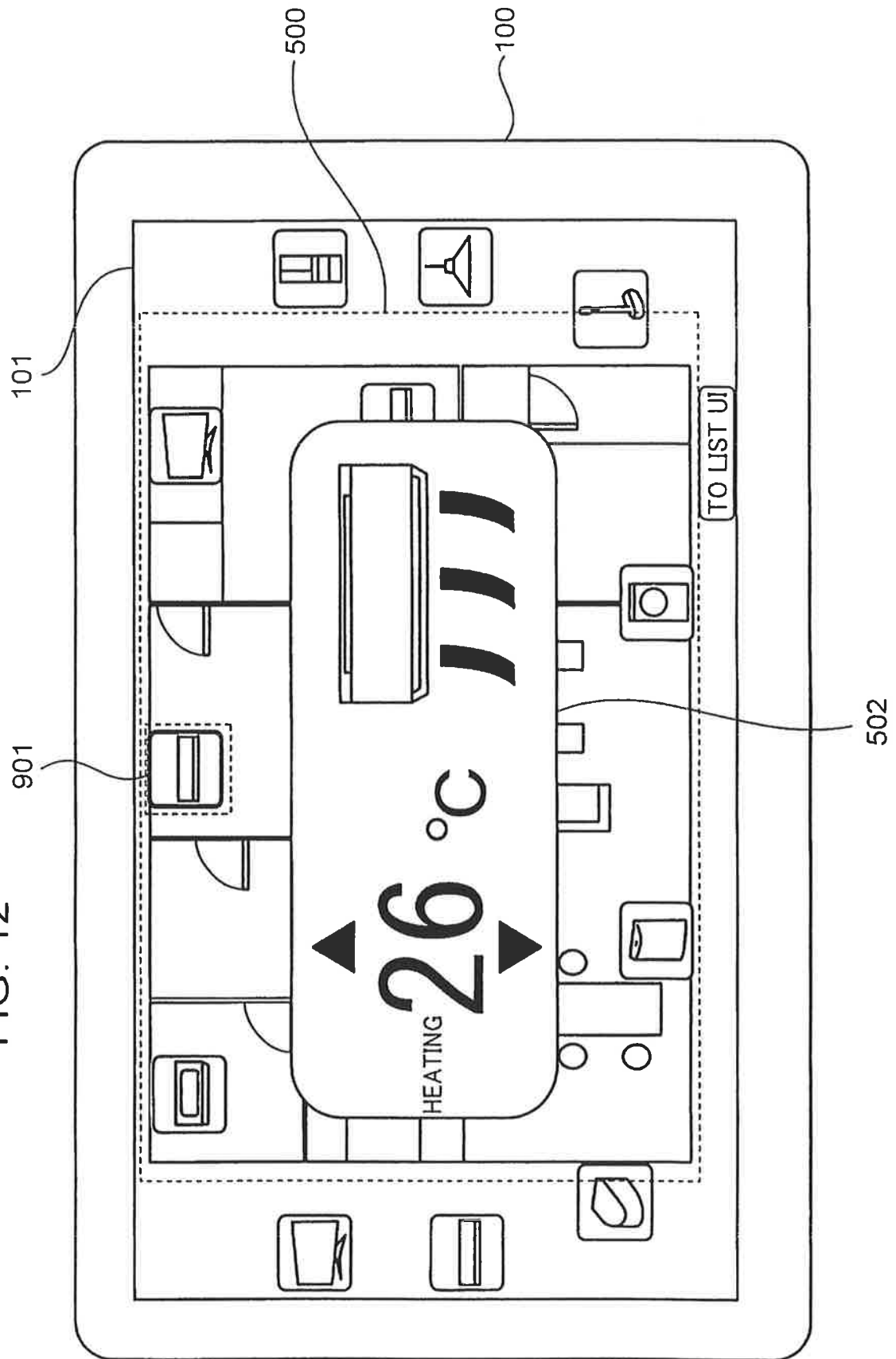


FIG. 13

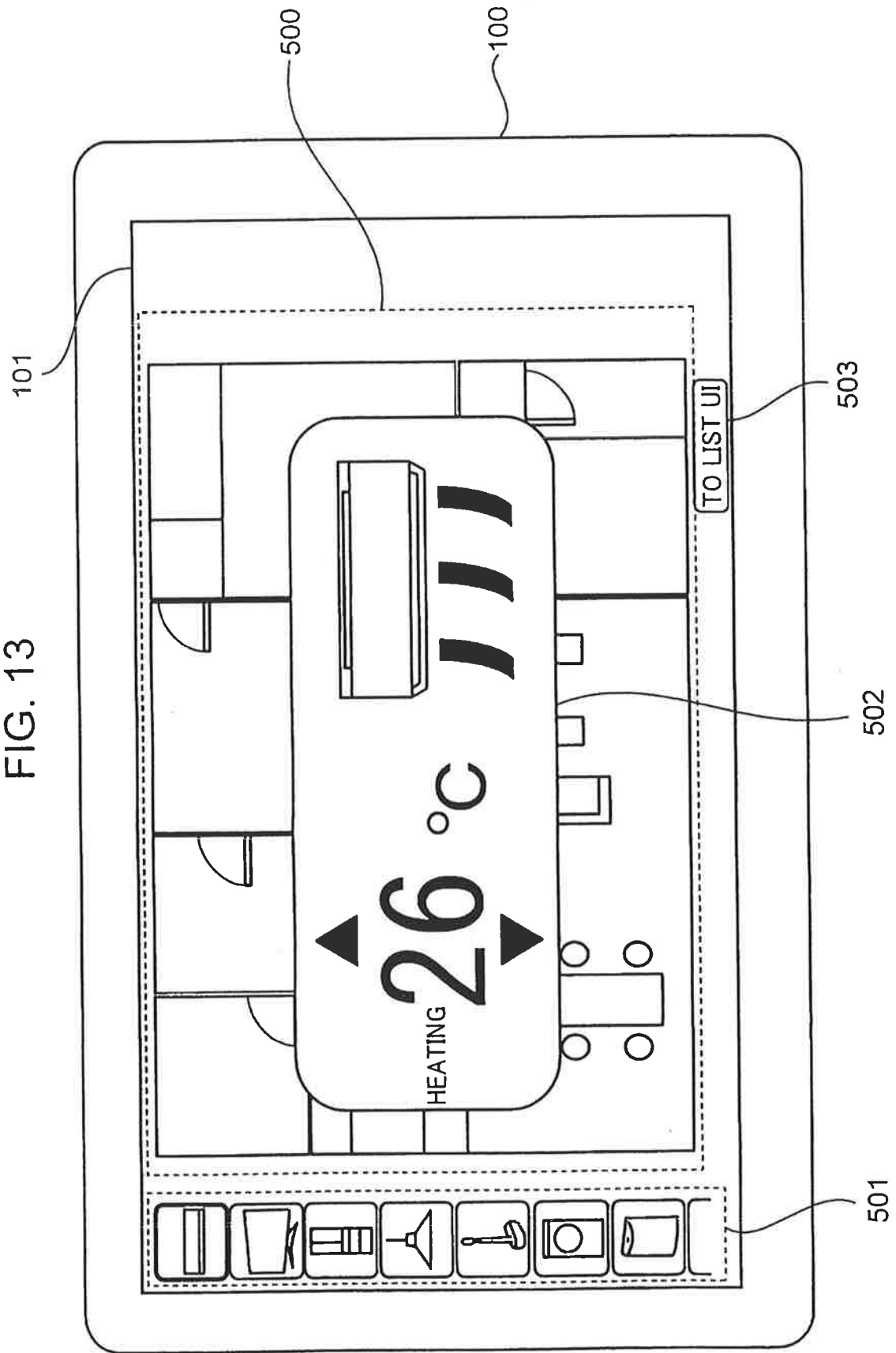


FIG. 14

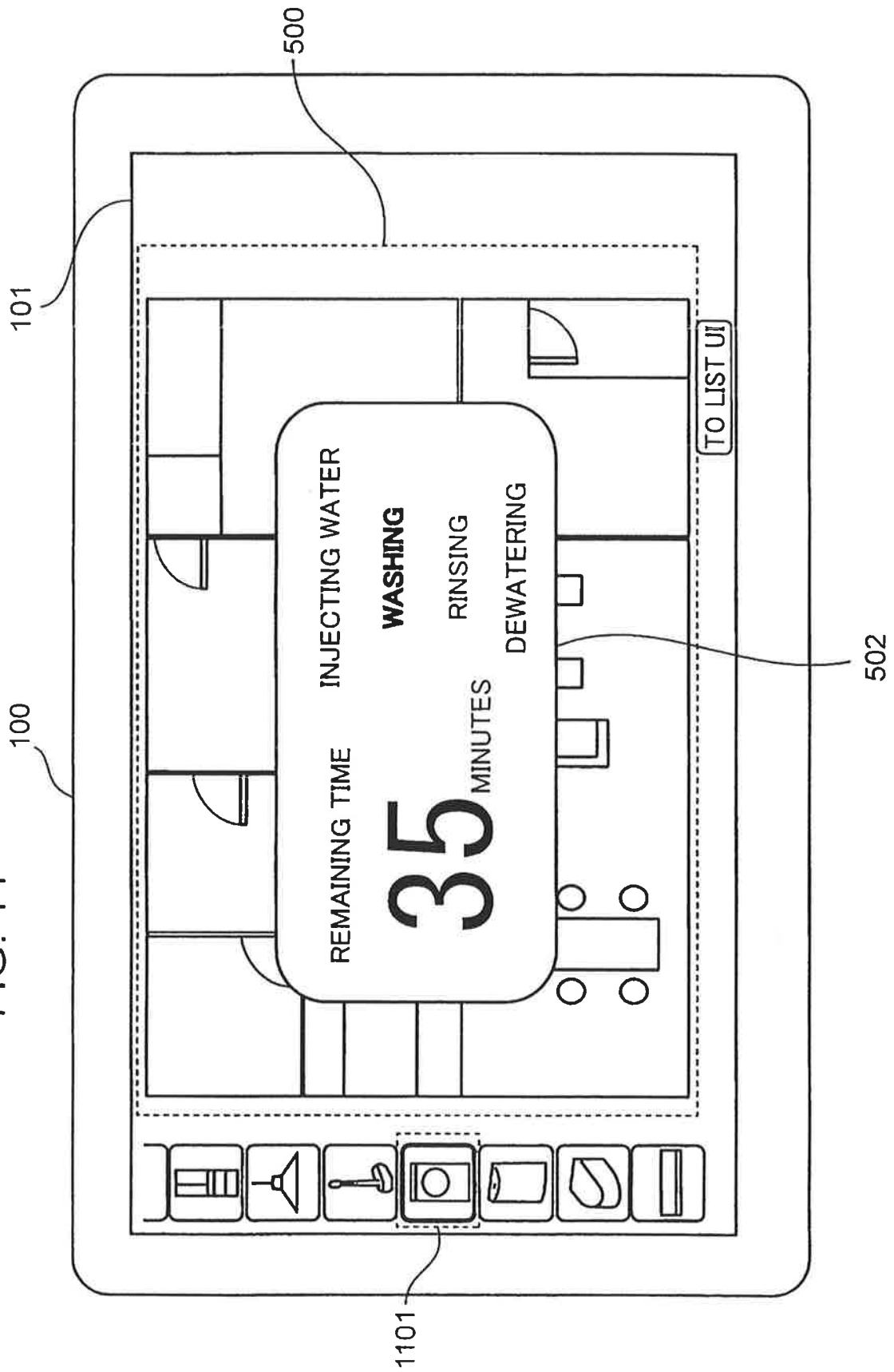


FIG. 15

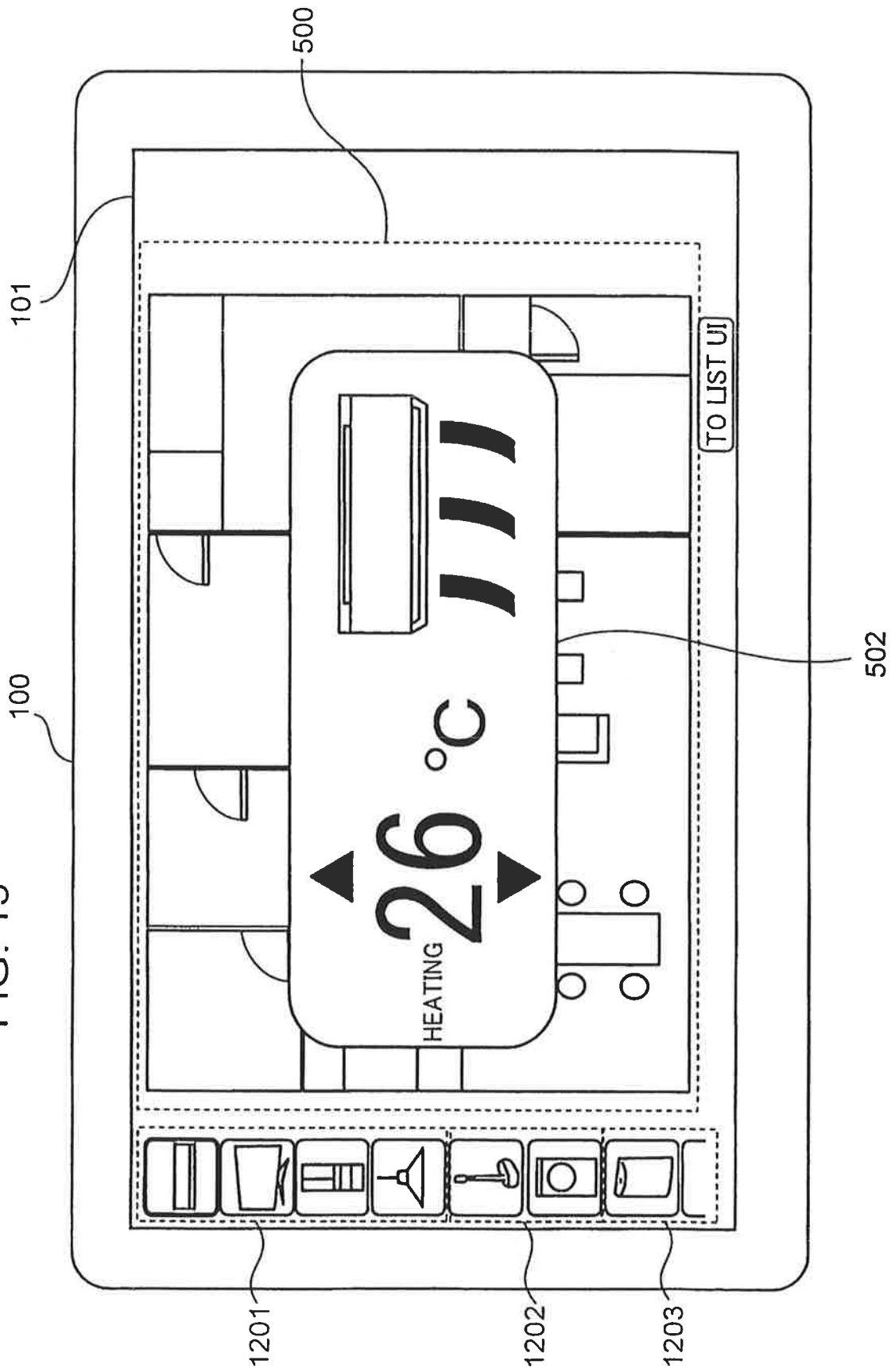


FIG. 16

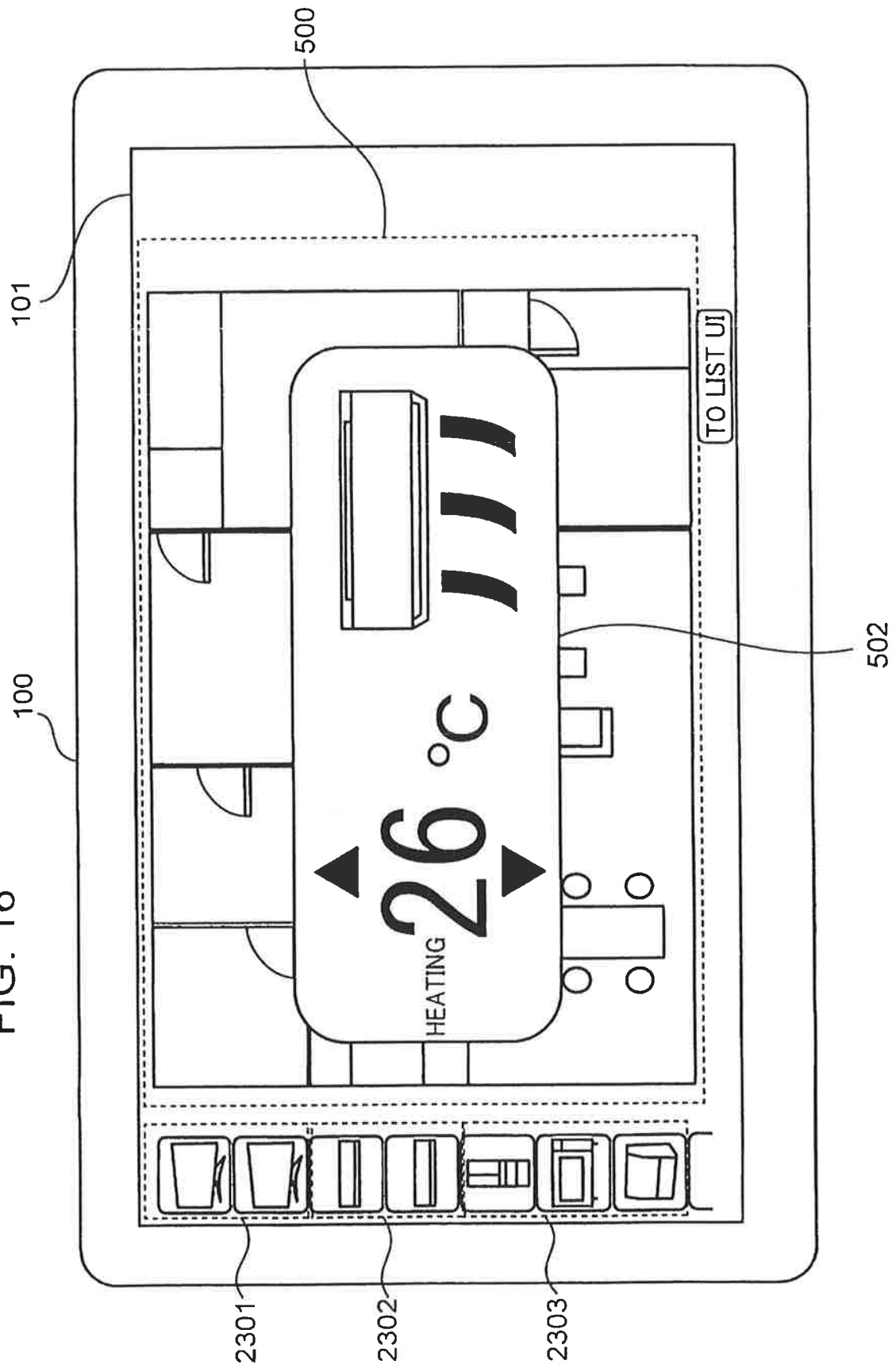


FIG. 17A

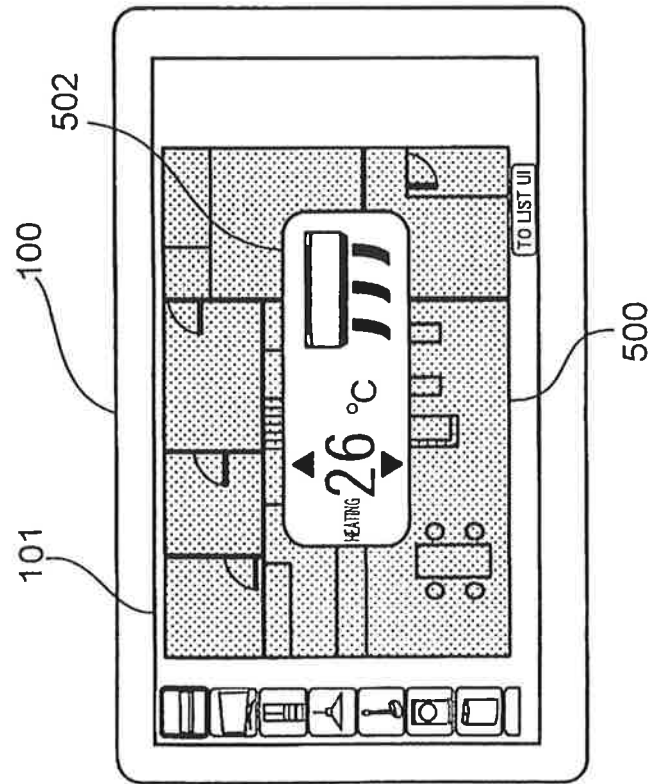


FIG. 17B

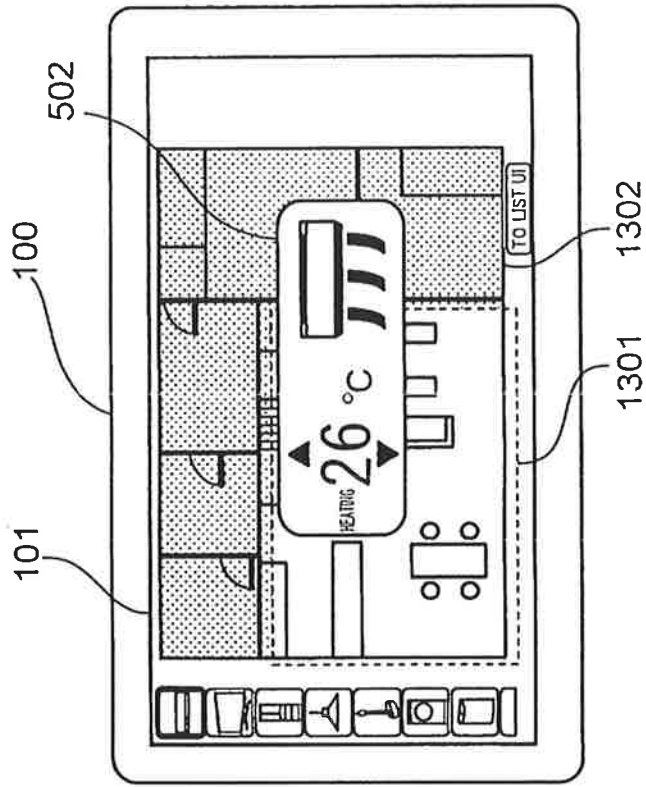


FIG. 18

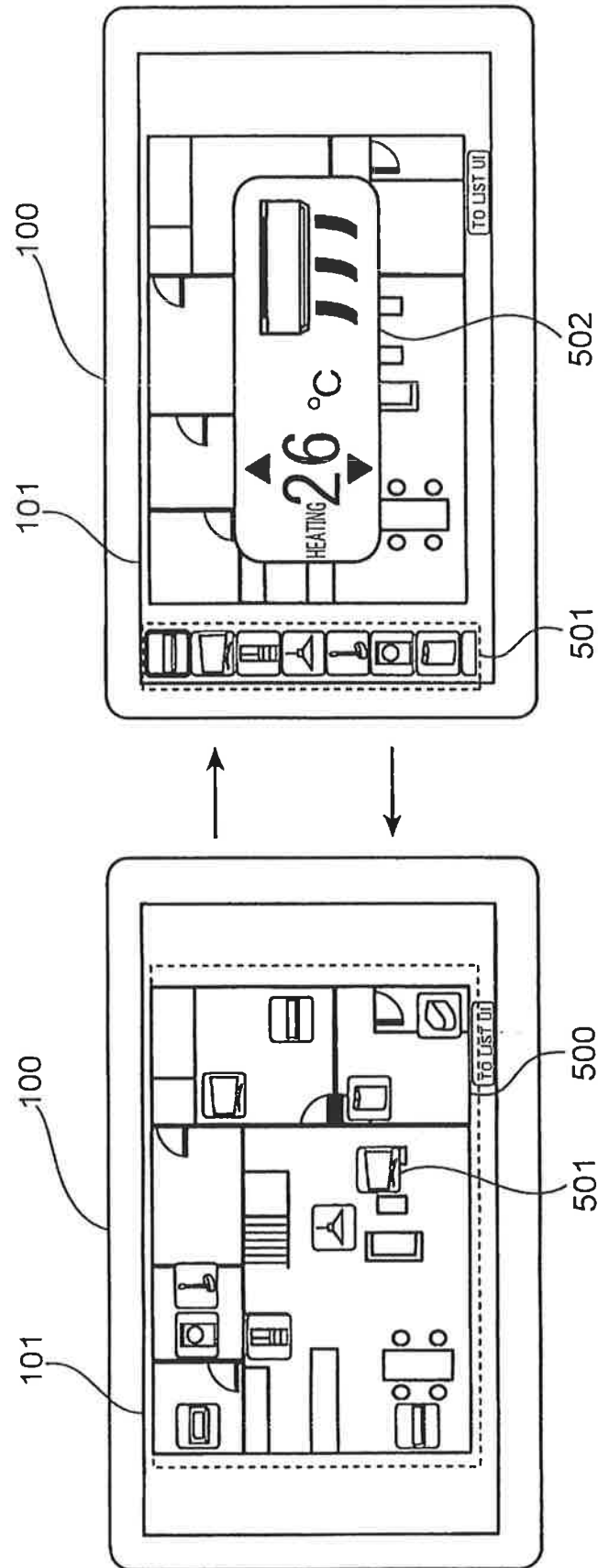


FIG. 19

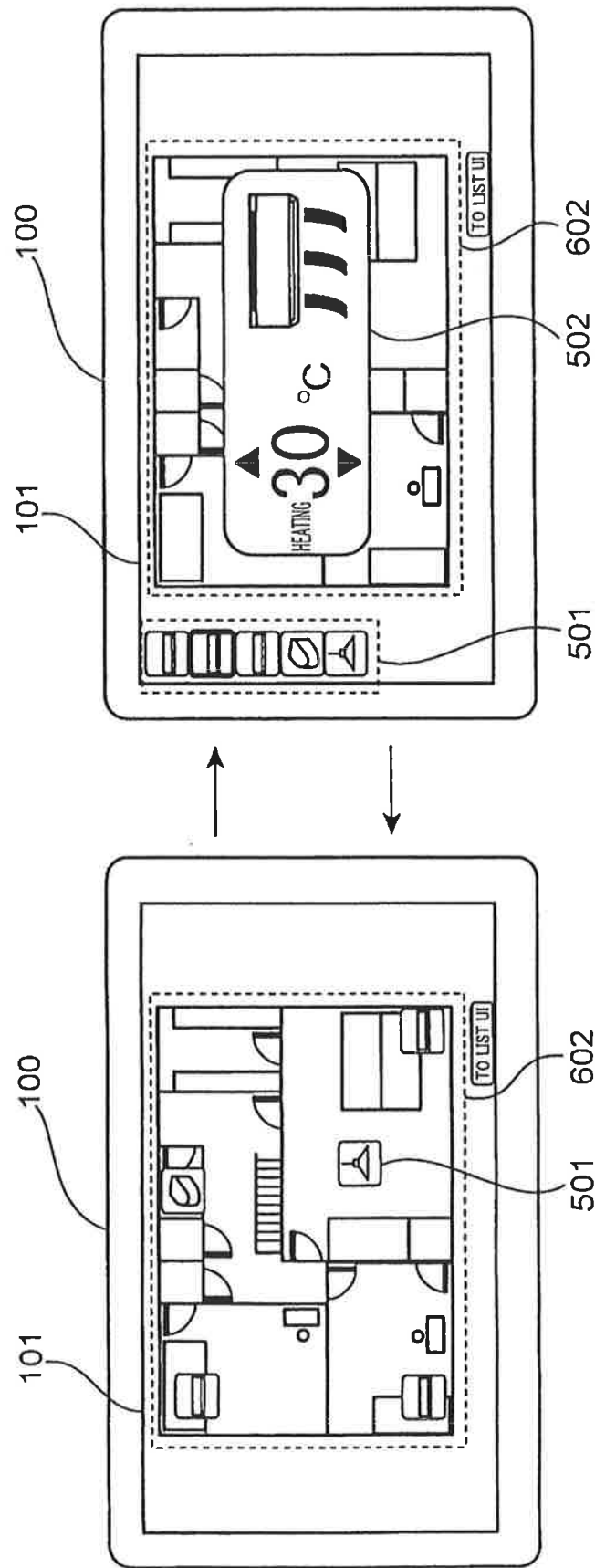


FIG. 20

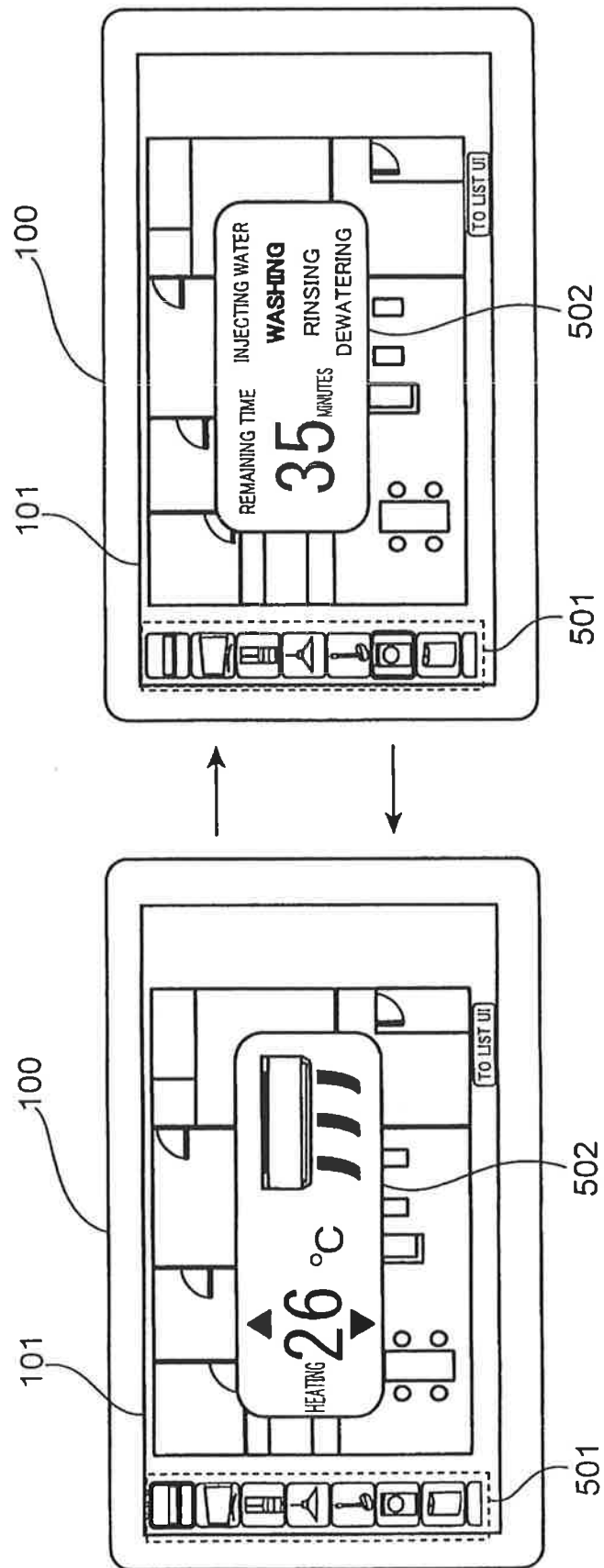


FIG. 21

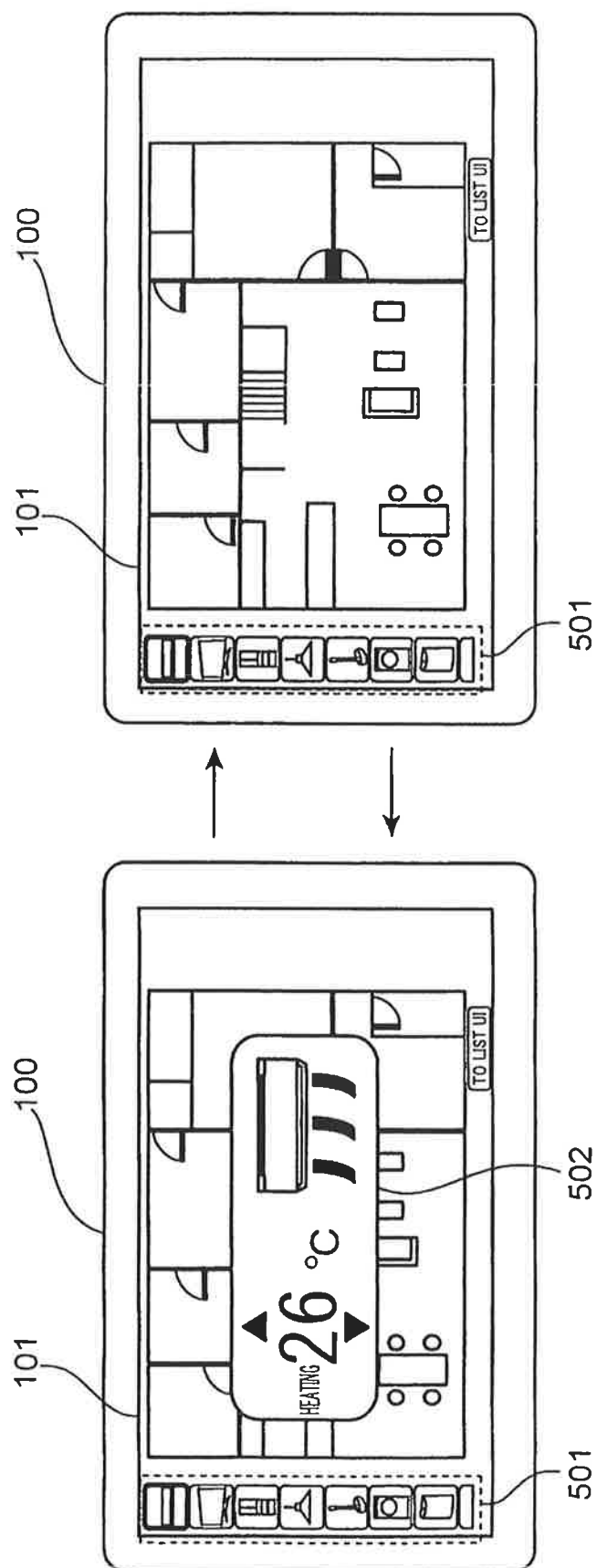


FIG. 22

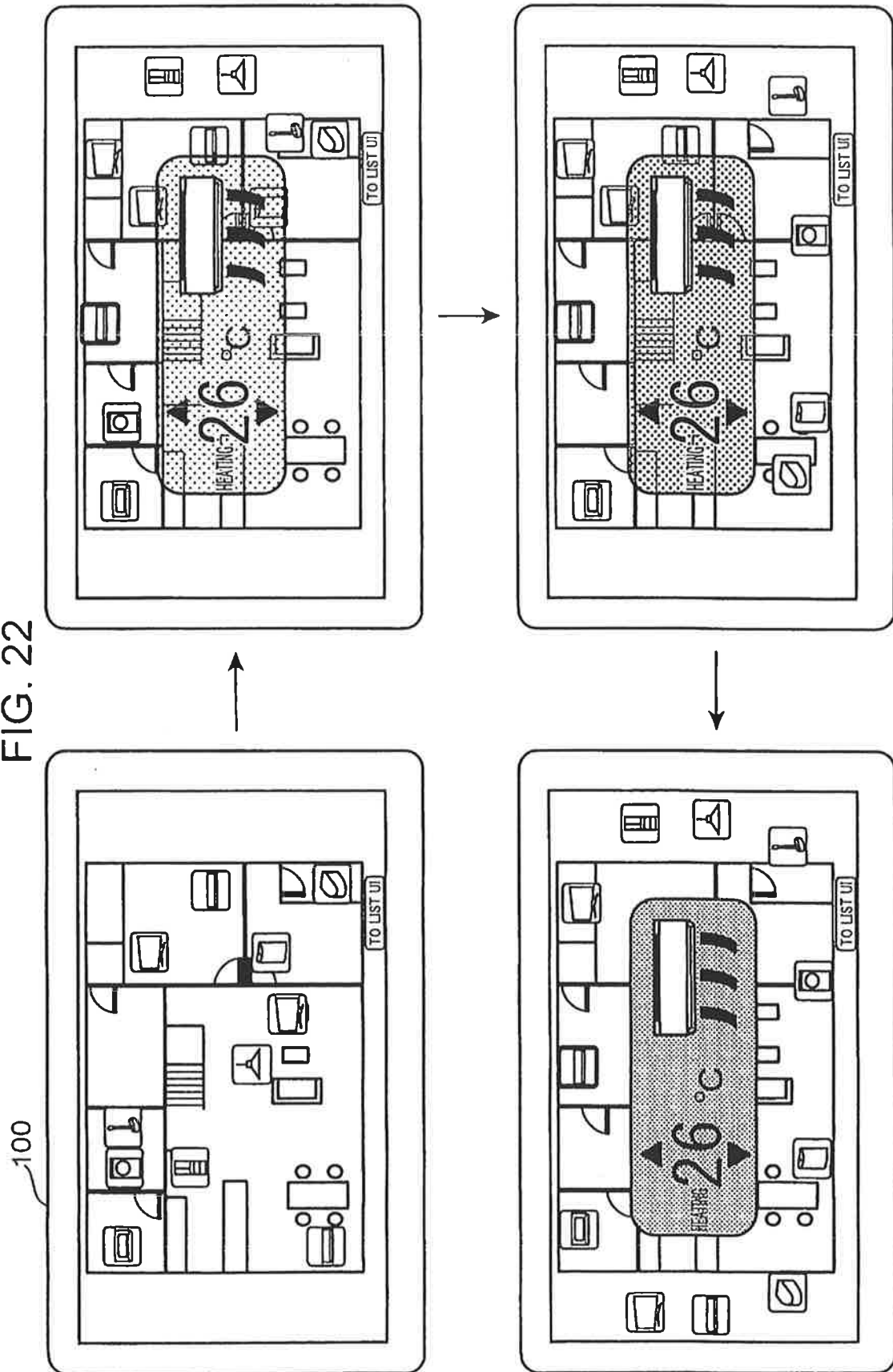
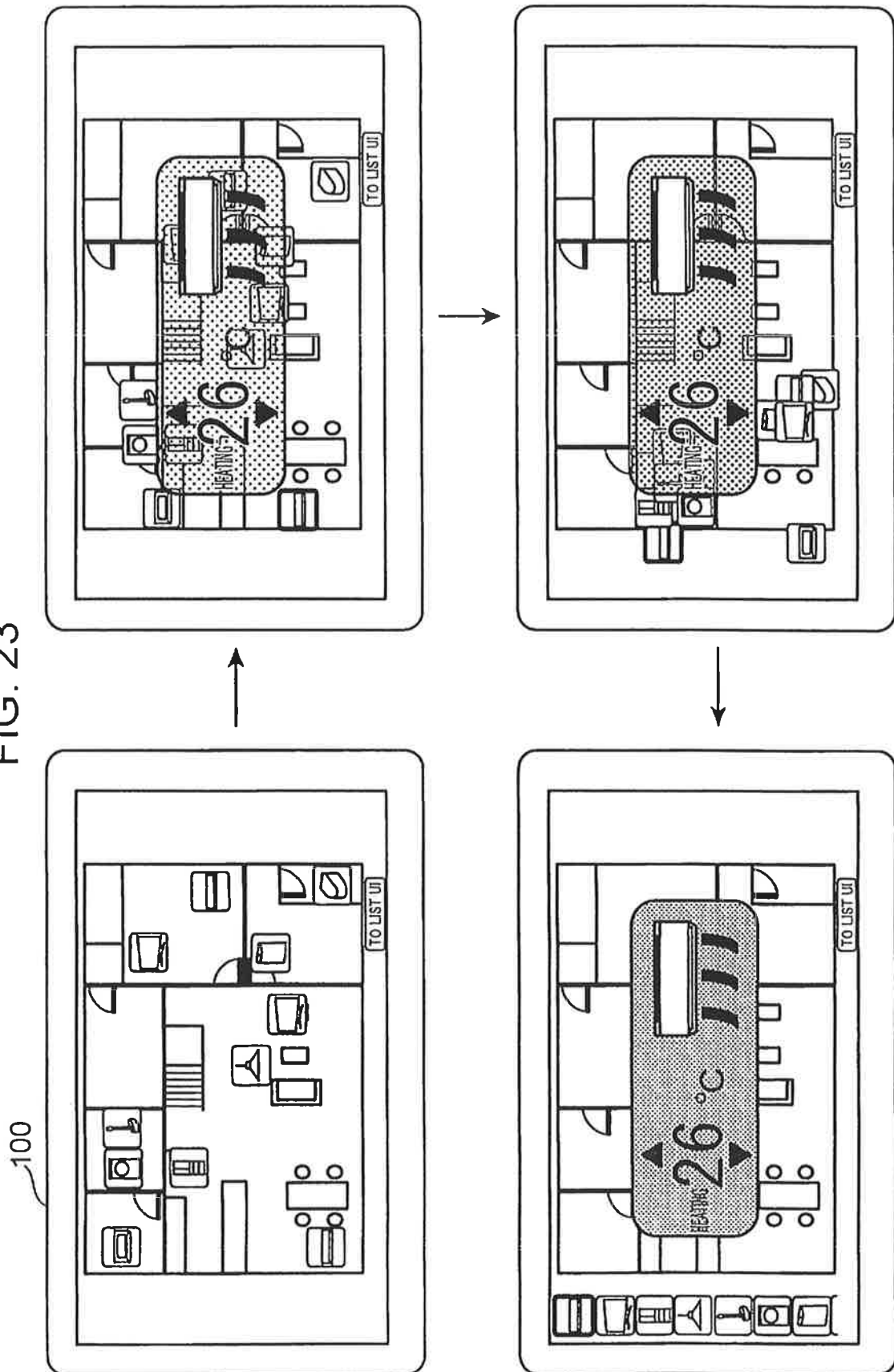


FIG. 23



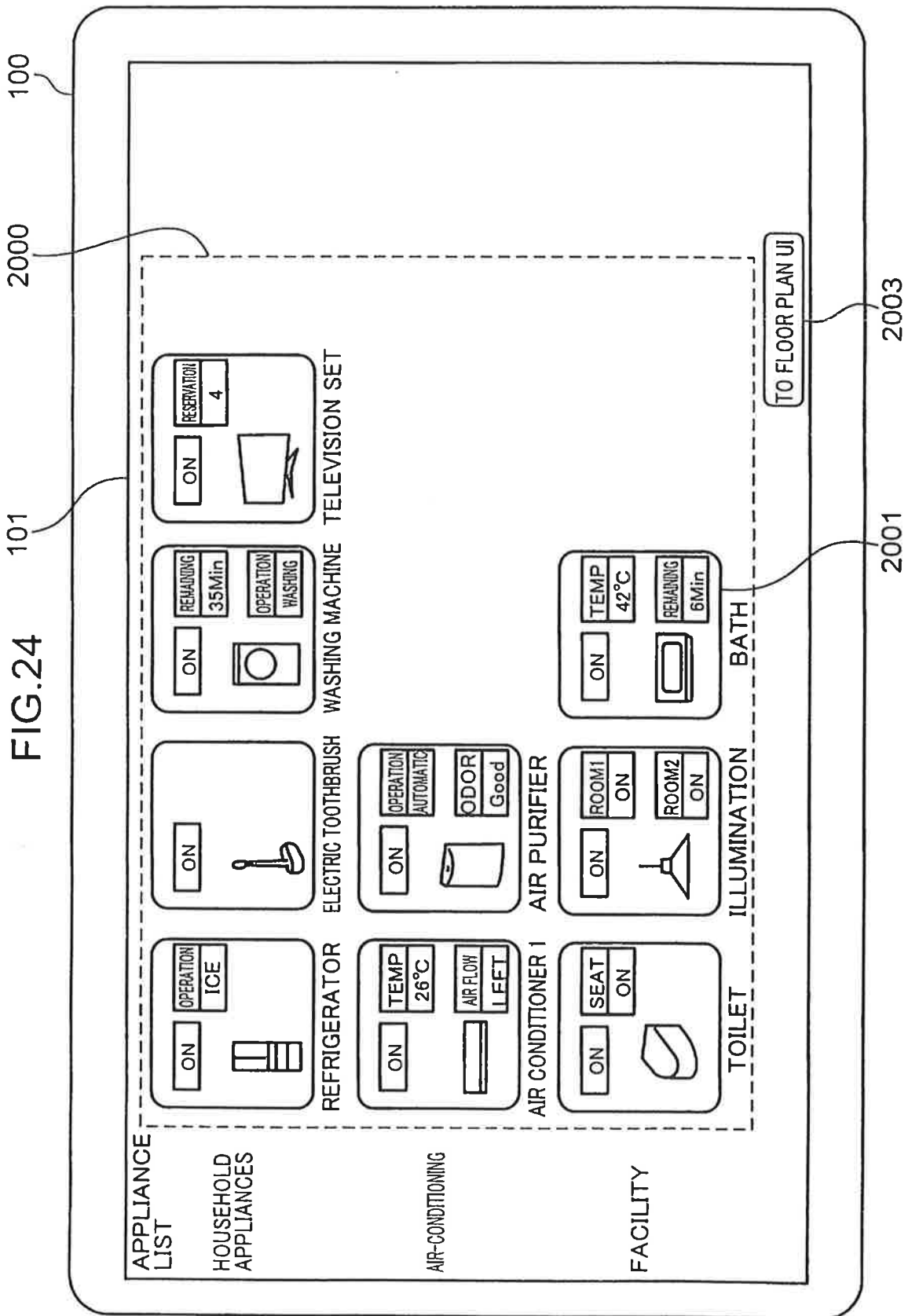


FIG. 25

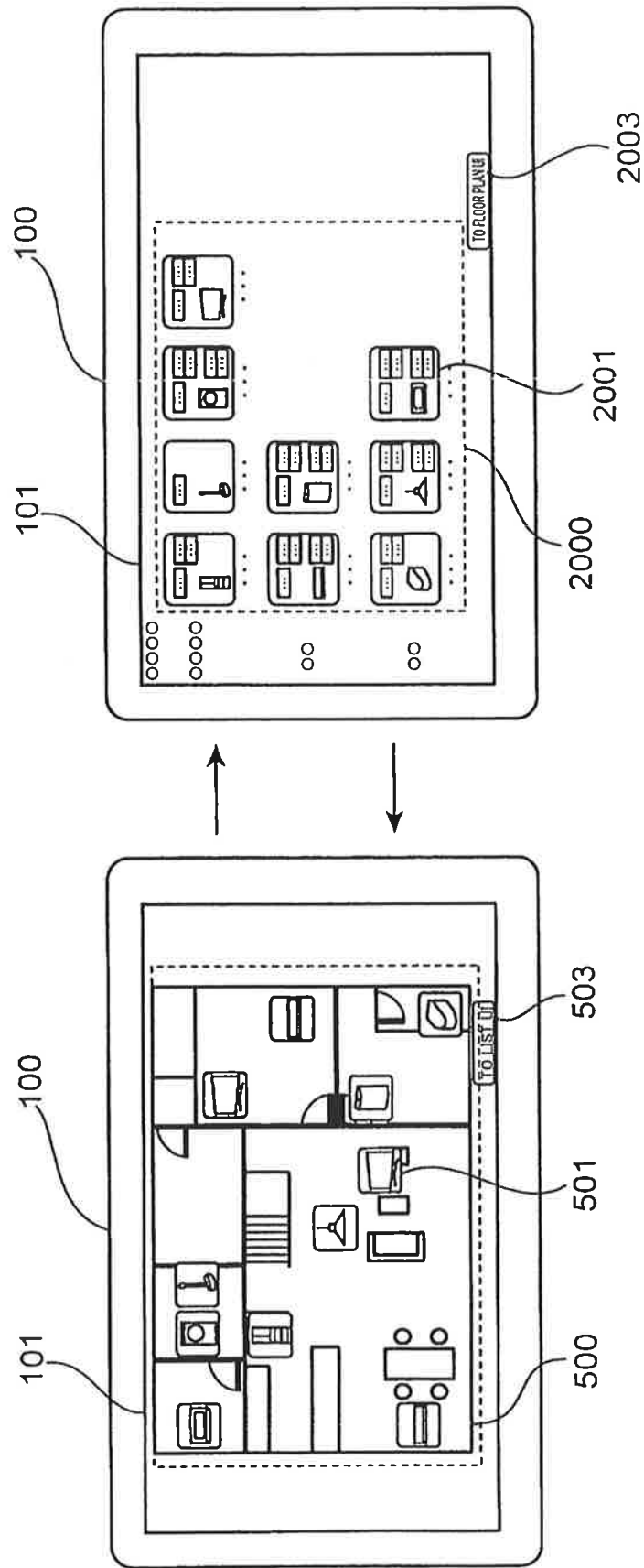


FIG. 26

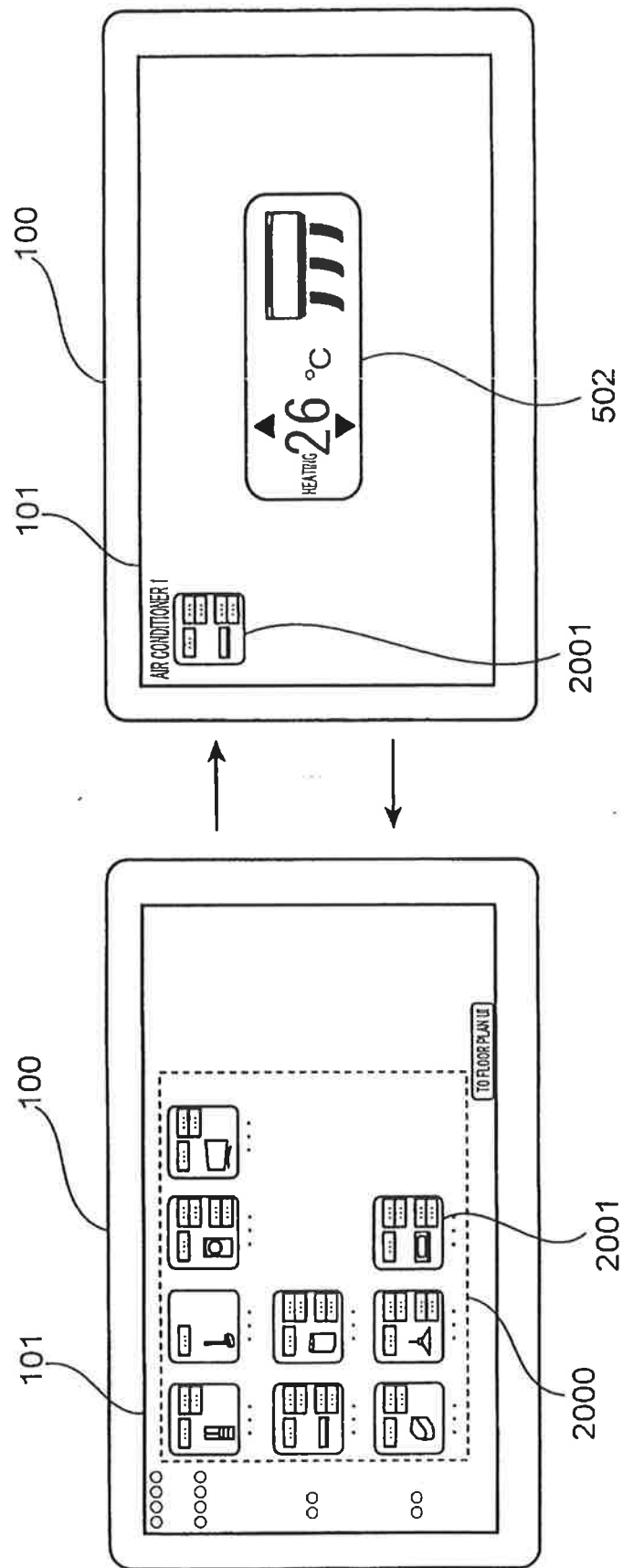


FIG. 27

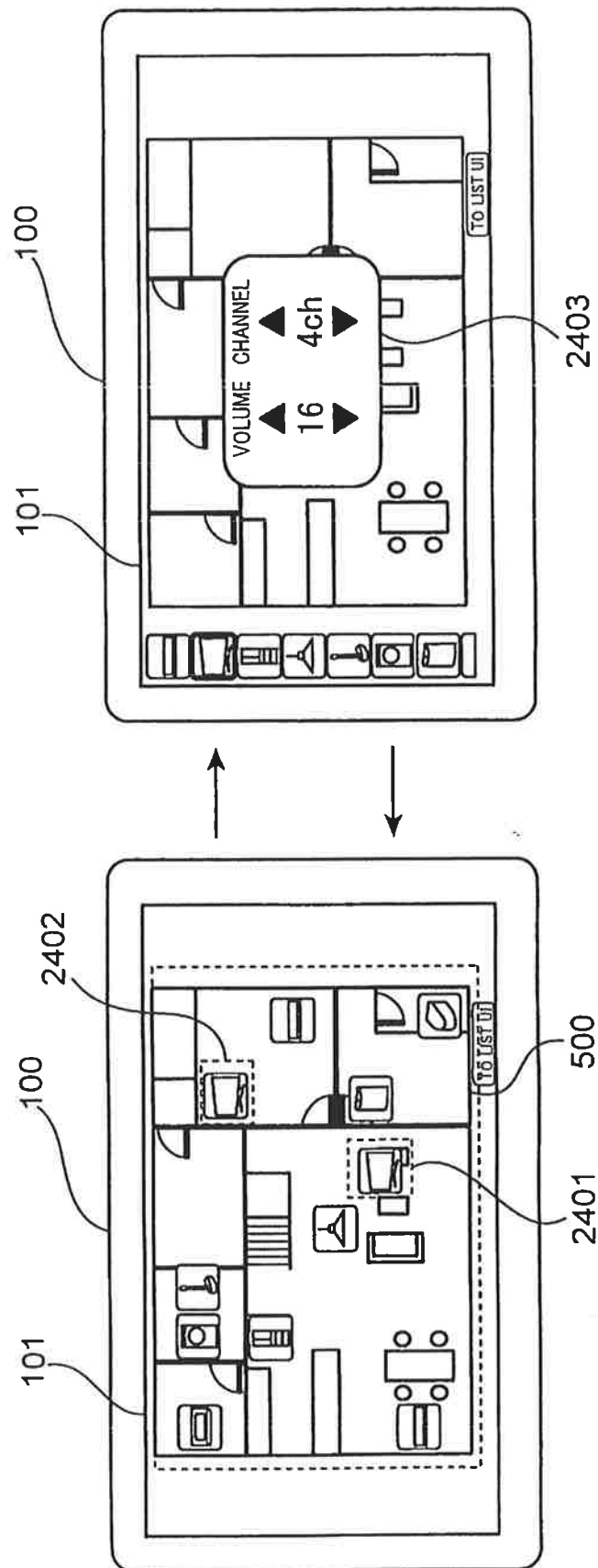


FIG.28

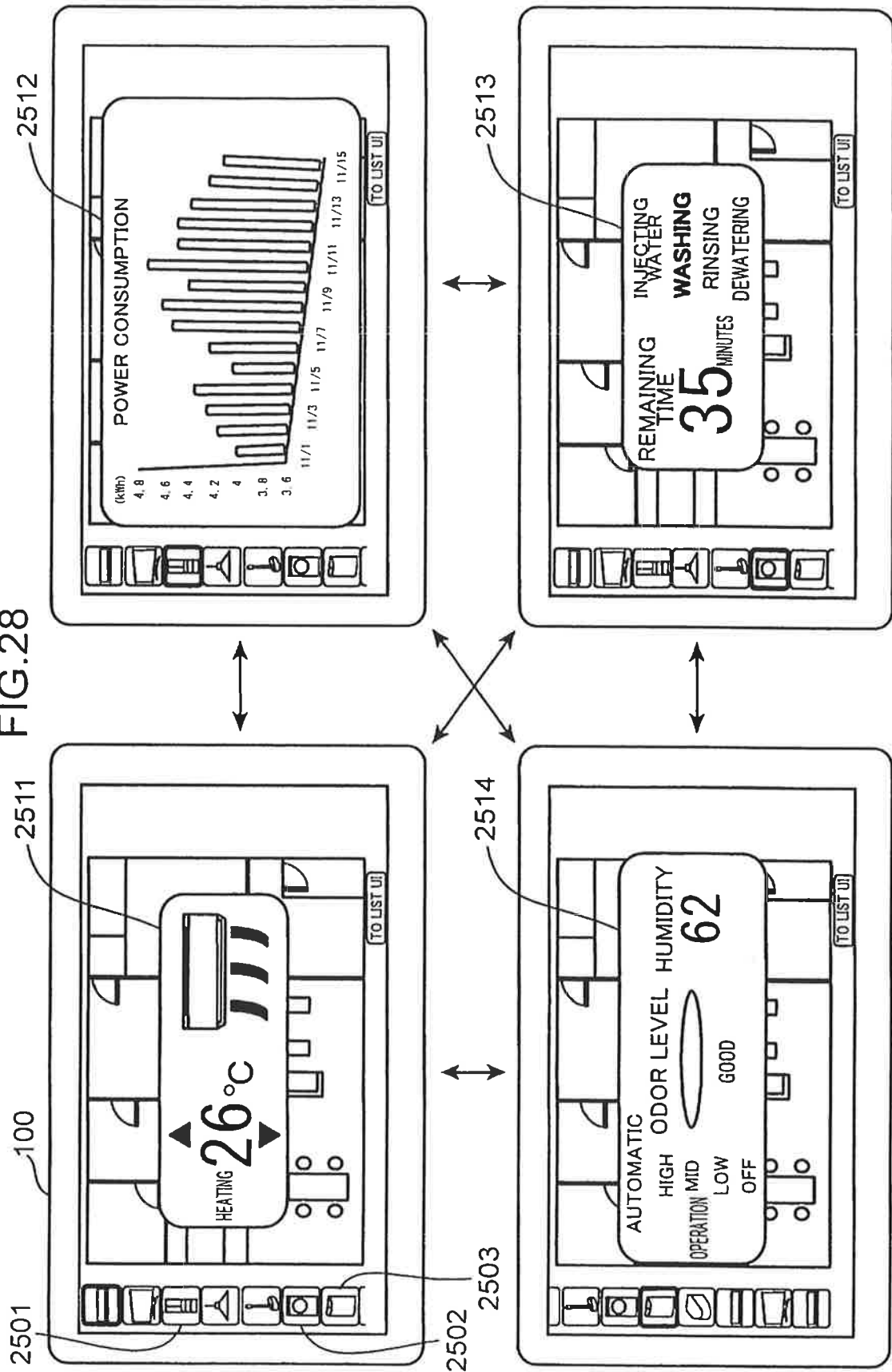


FIG. 29

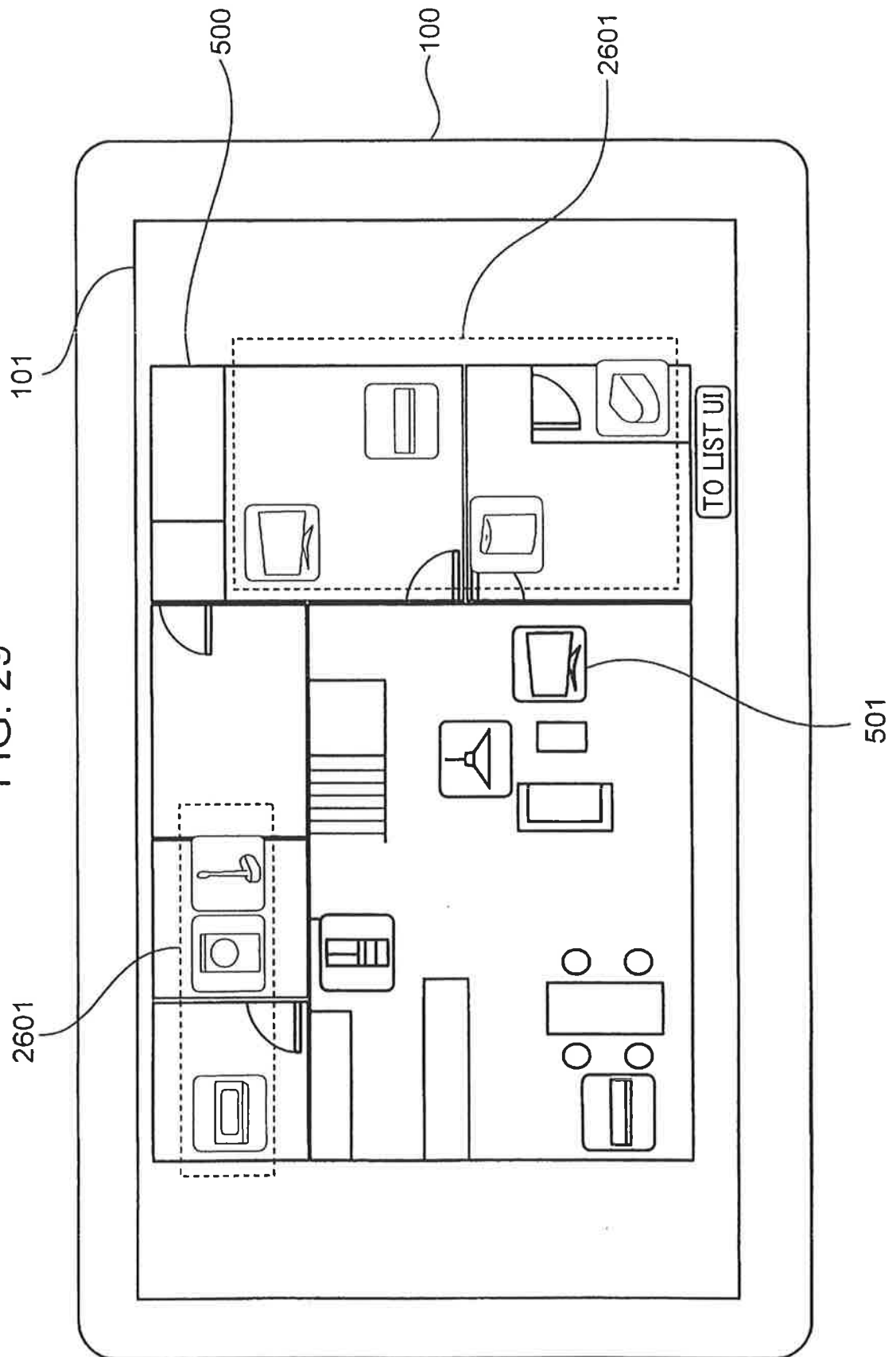


FIG. 30

2700

500	FLOOR PLAN
2800	VERTEX INFORMATION
2900	ROOM INFORMATION
4700	DEVICE LIST MANAGED BY SERVER

FIG. 31

2800

2801 2802

VERTEX ID	VERTEX COORDINATE
A	(X0,Y0,Z1)
B	(X20,Y0,Z1)
C	(X40,Y0,Z1)
...	
P	(X150,Y100,Z1)

FIG. 32

2900

2901 2902 2903

VERTEX ID	ROOM TYPE	ROOM COORDINATE
A	LIVING ROOM	(F,G,H,I,L,O,N)
B	BEDROOM	(J,K,M,L,I)
C	BATH	(A,B,G,F)
D	STAIRCASE	(H,I,R,Q)
...		

FIG. 33

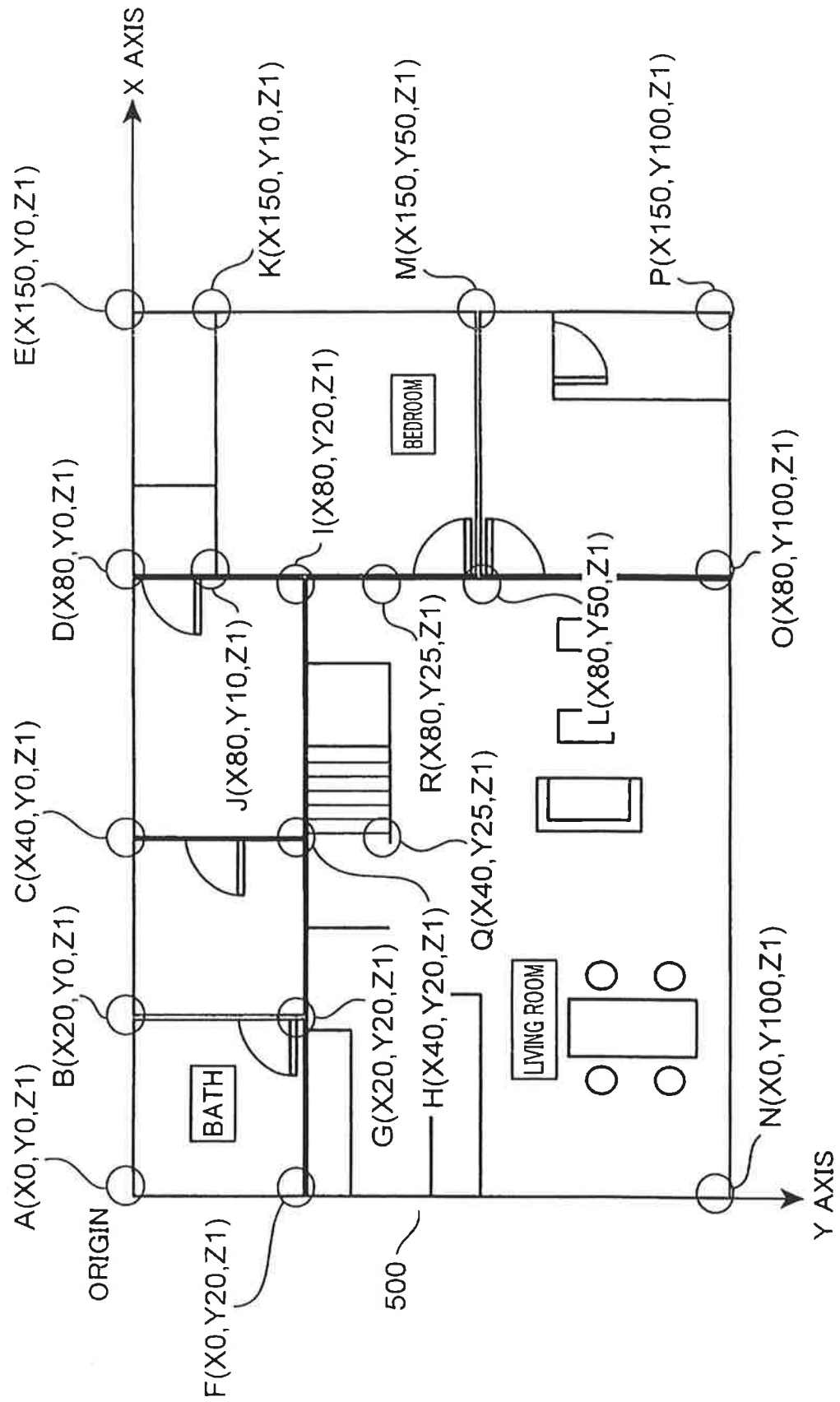


FIG. 34

4701	4702	4703	4704	4705	4706
DEVICE ID	DEVICE TYPE	MODEL NUMBER	ARRANGEMENT	CAPABILITY INFORMATION	CONTROL COMMAND TRANSMISSION DESTINATION
A	AIR CONDITIONER	CS-X403C	(X10,Y100,Z1)	TEMPERATURE CONTROL, AIR FLOW DIRECTION CONTROL, AND AIR FLOW AMOUNT CONTROL	DEVICE
B	ILLUMINATION	HH-LC710A	(X30,Y150,Z1)	ON/OFF CONTROL AND DIMMER CONTROL	DEVICE
C	REFRIGERATOR	NR-F557XV	(X50,Y200,Z1)	POWER CONSUMPTION STATE MANAGEMENT	SERVER
...					

FIG.35

3101	3102	3103	3104	3105	3106	3107
DEVICE ID	DEVICE TYPE	MODEL NUMBER	ARRANGEMENT	CAPABILITY INFORMATION	CONTROL COMMAND TRANSMISSION DESTINATION	IP ADDRESS
A	AIR CONDITIONER	CS-X403C	(X10,Y100,Z1)	TEMPERATURE CONTROL, AIR FLOW DIRECTION CONTROL, AND AIR FLOW AMOUNT CONTROL	DEVICE	192.168.0.5
B	ILLUMINATION	HH-LC710A	(X30,Y150,Z1)	ON/OFF CONTROL AND DIMMER CONTROL	DEVICE	192.168.0.6
C	REFRIGERATOR	NR-F557XV	(X50,Y200,Z1)	POWER CONSUMPTION STATE MANAGEMENT	SERVER	192.168.0.7
...						

FIG. 36

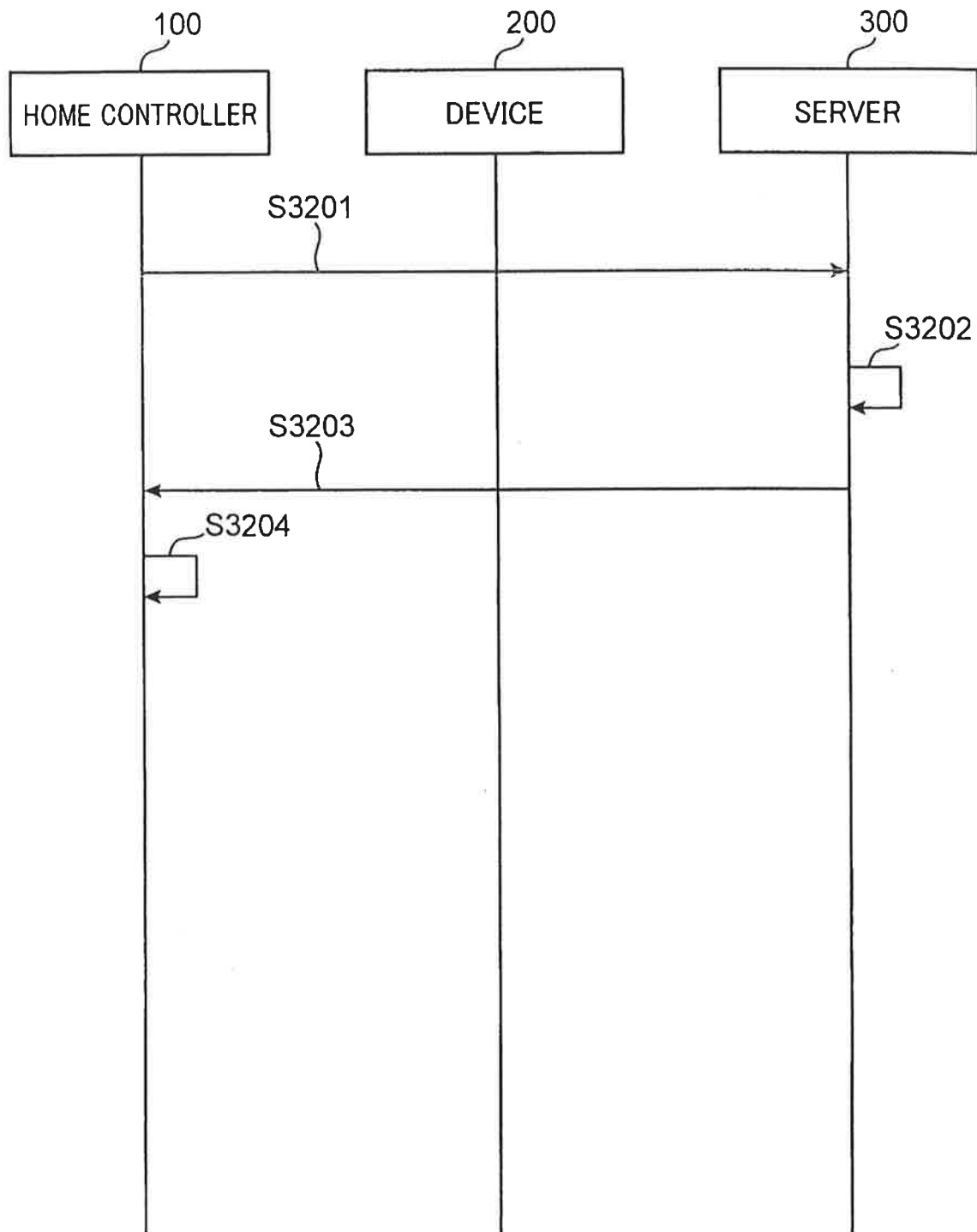


FIG. 37

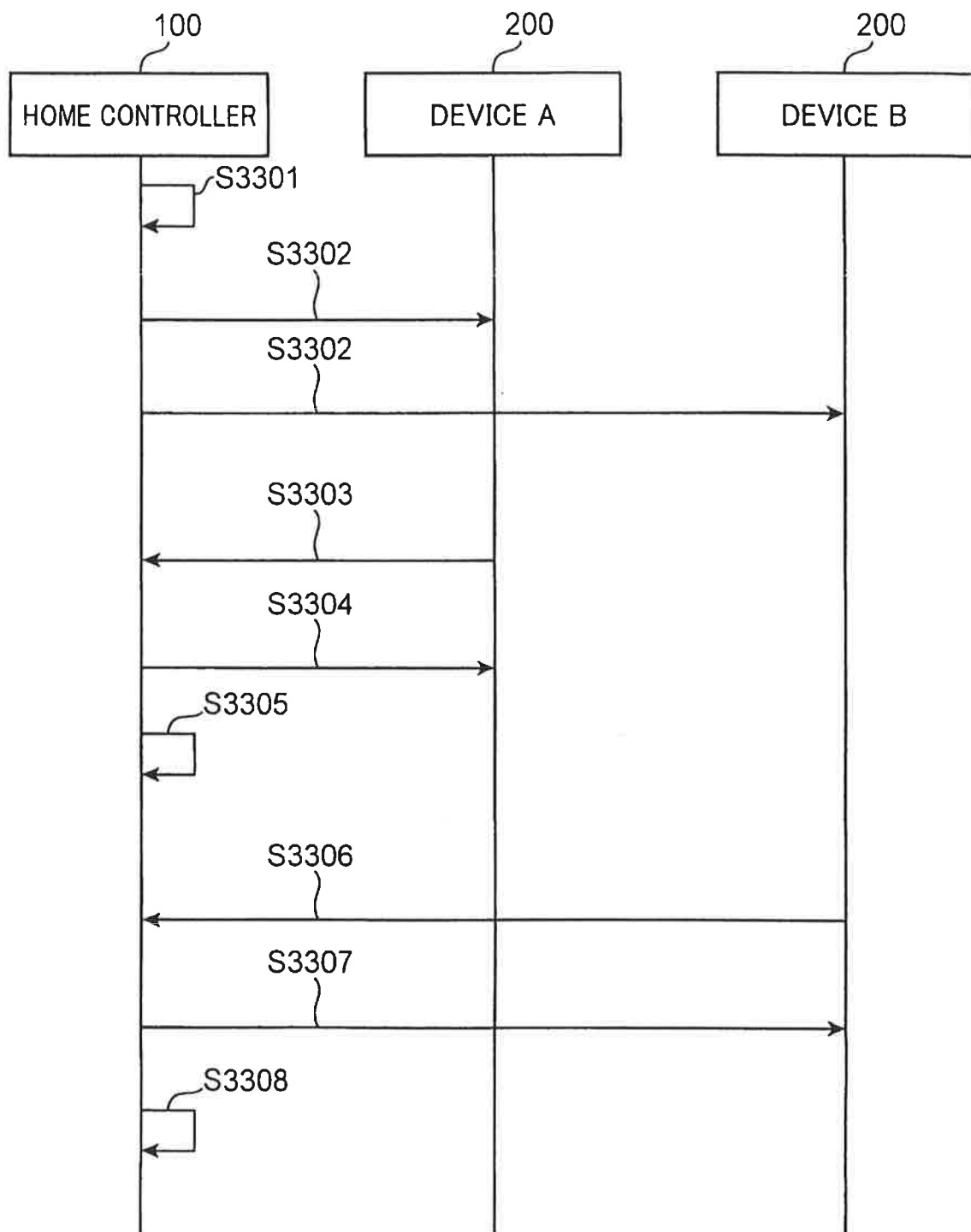


FIG. 38

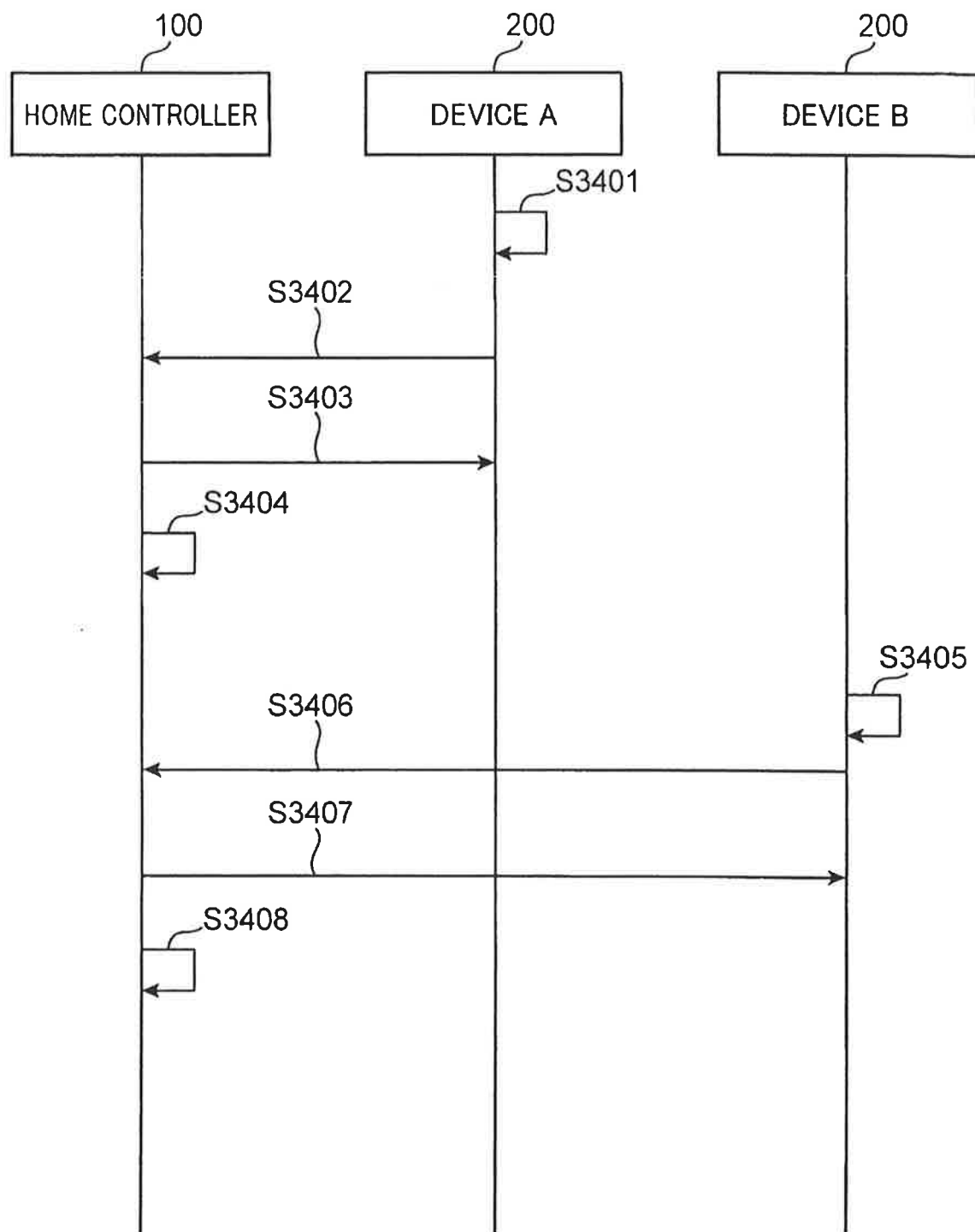


FIG.39A

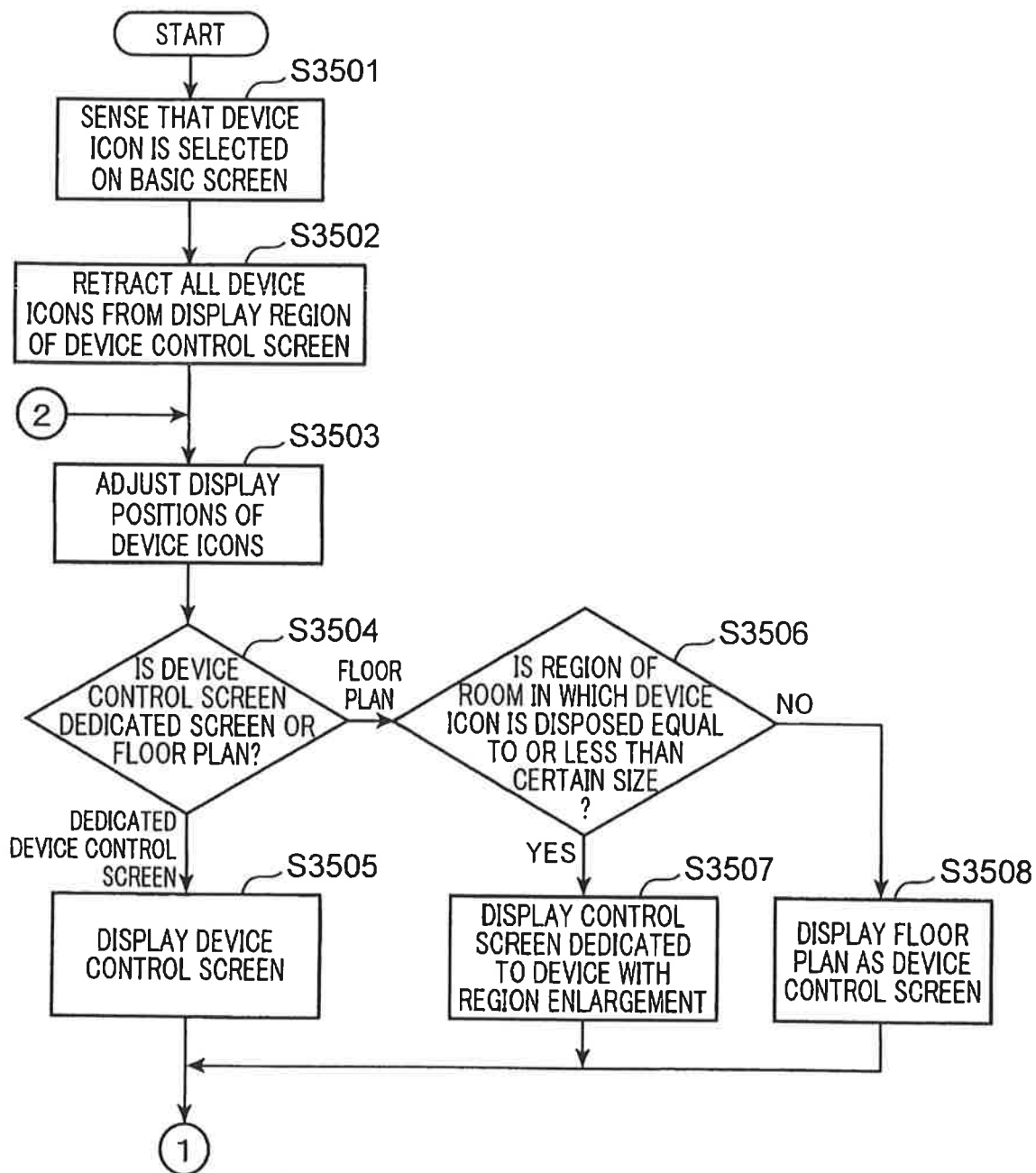


FIG.39B

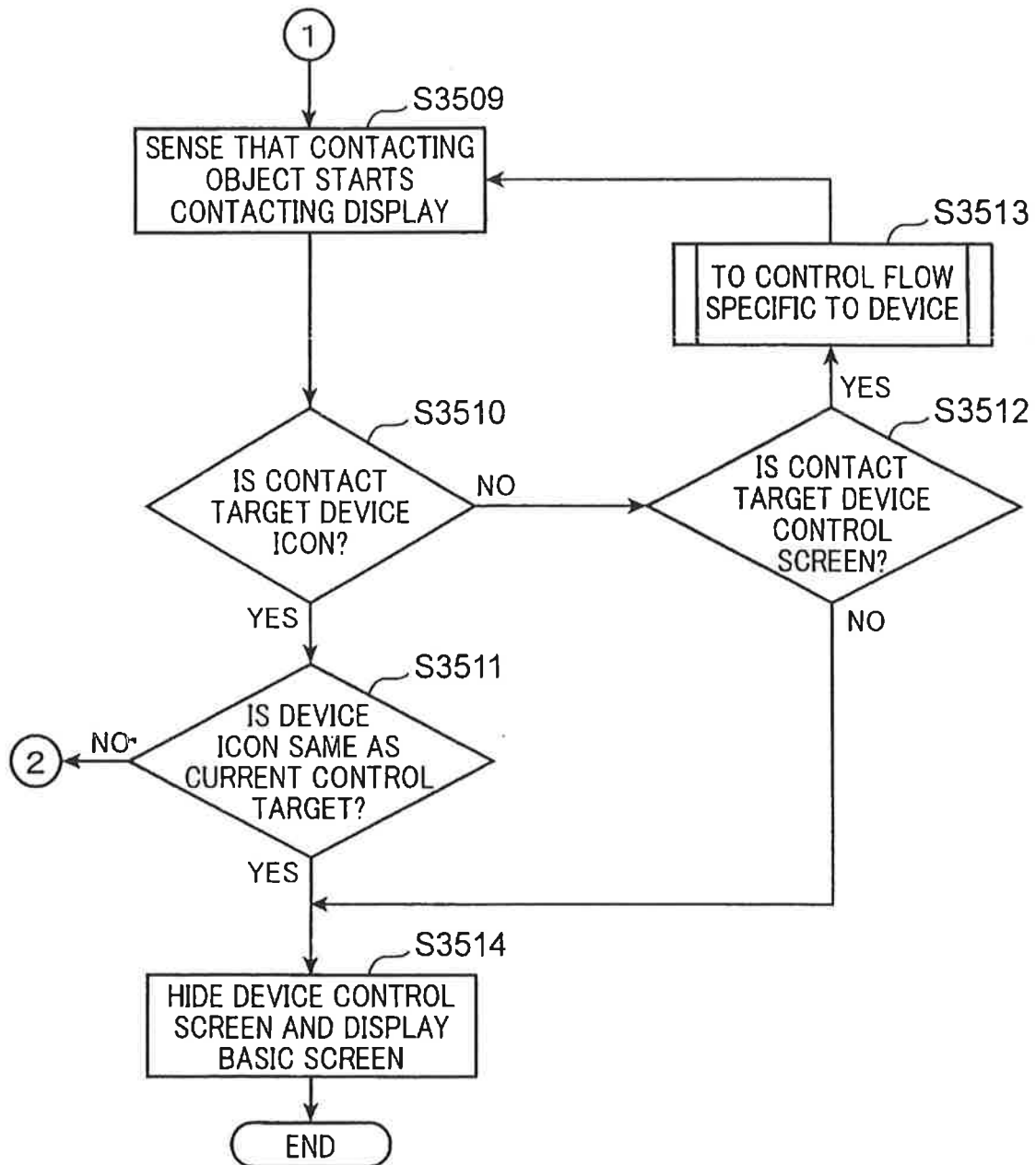


FIG. 40

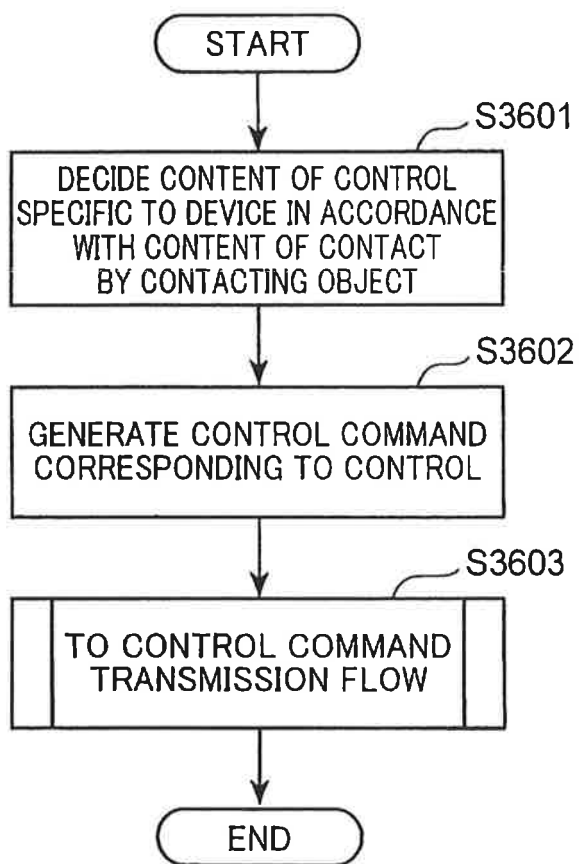


FIG.41

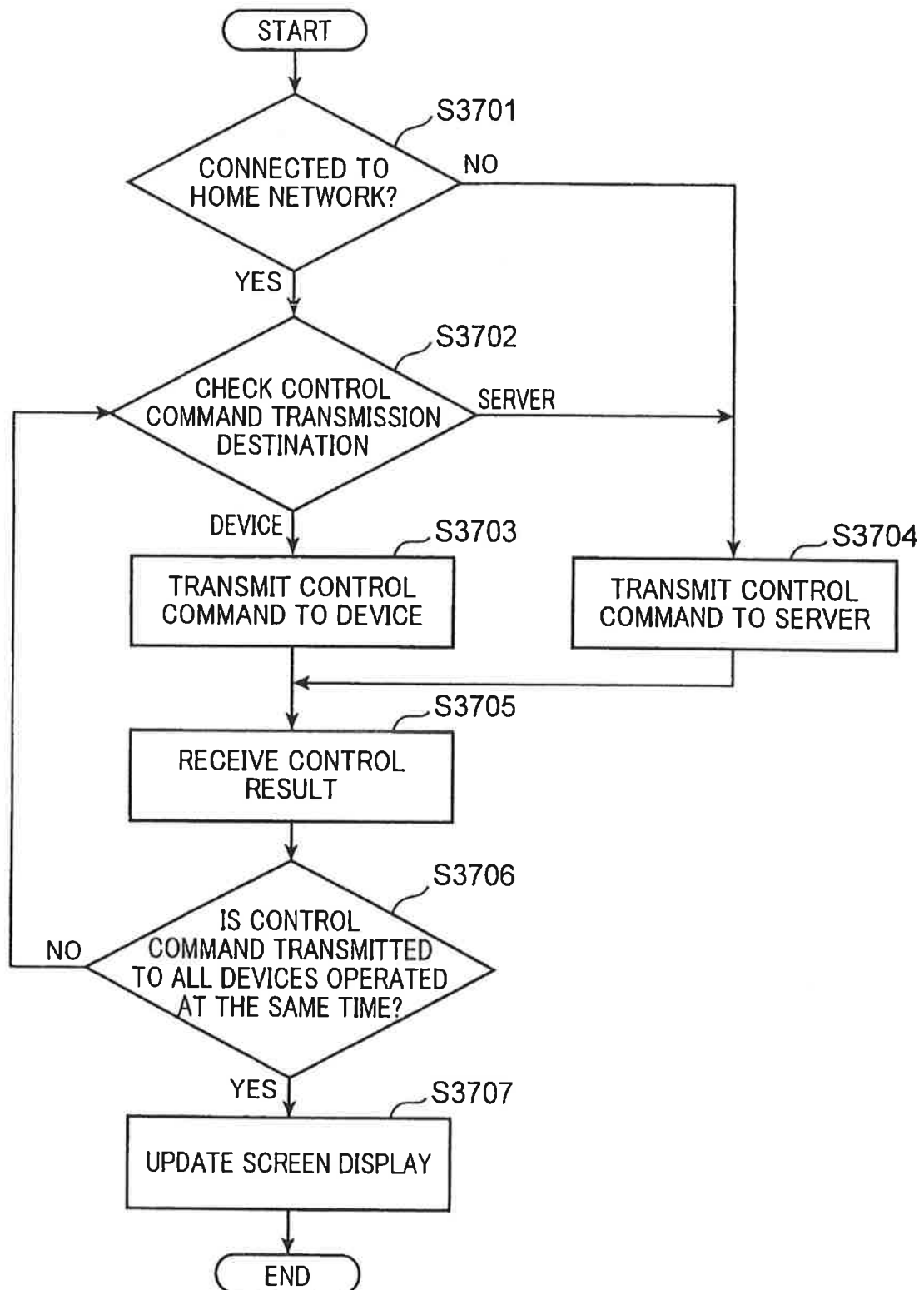


FIG. 42

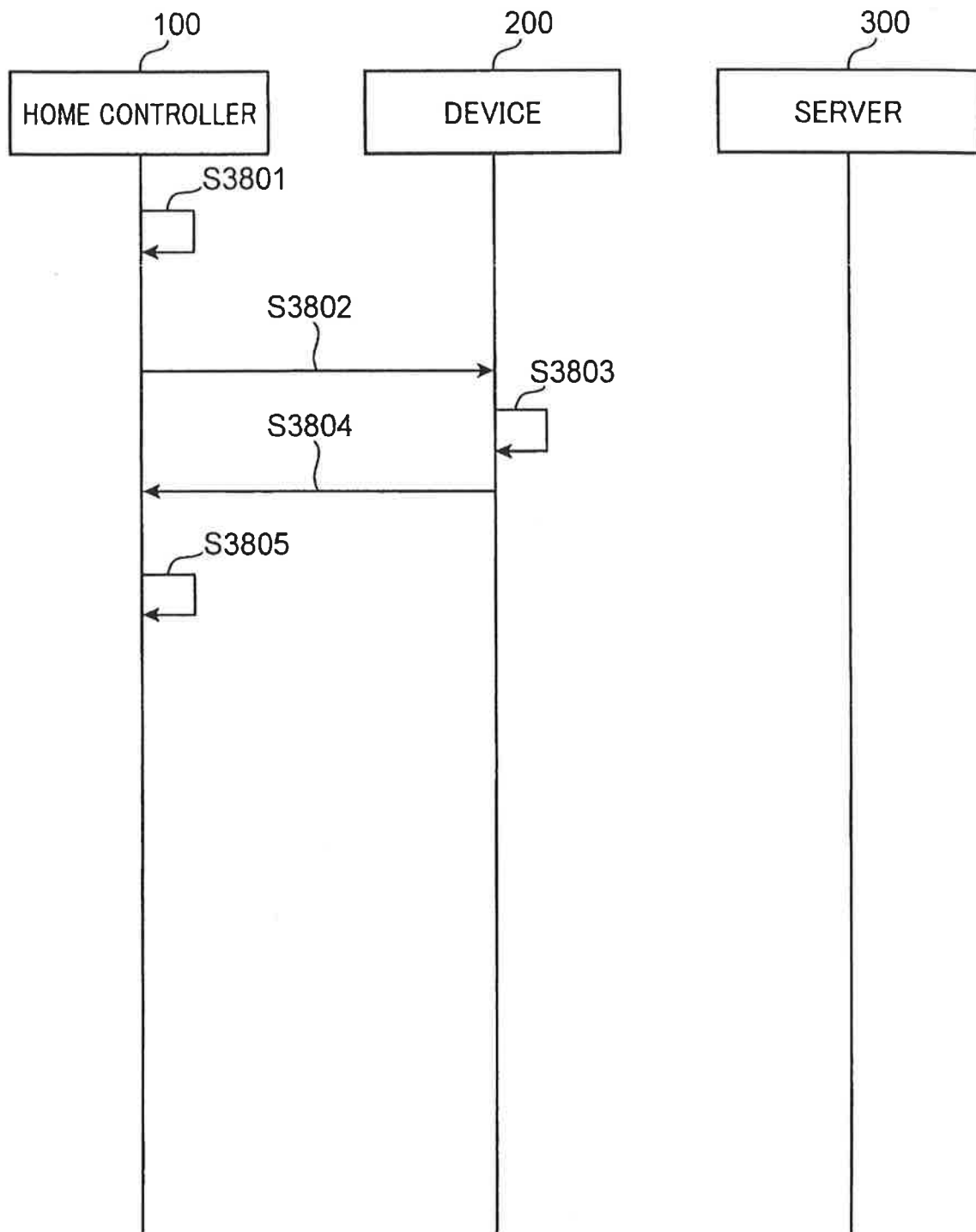


FIG. 43

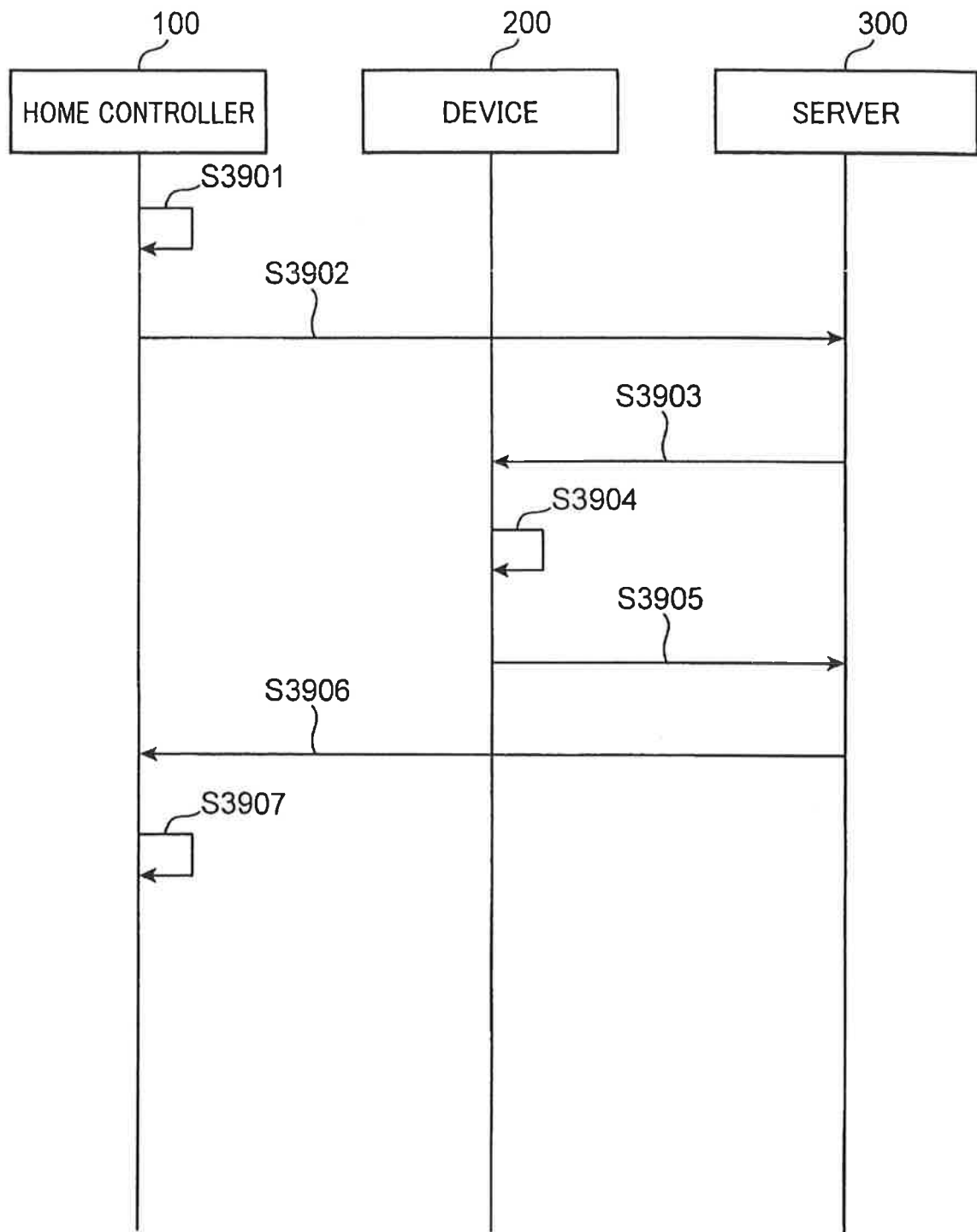


FIG. 44

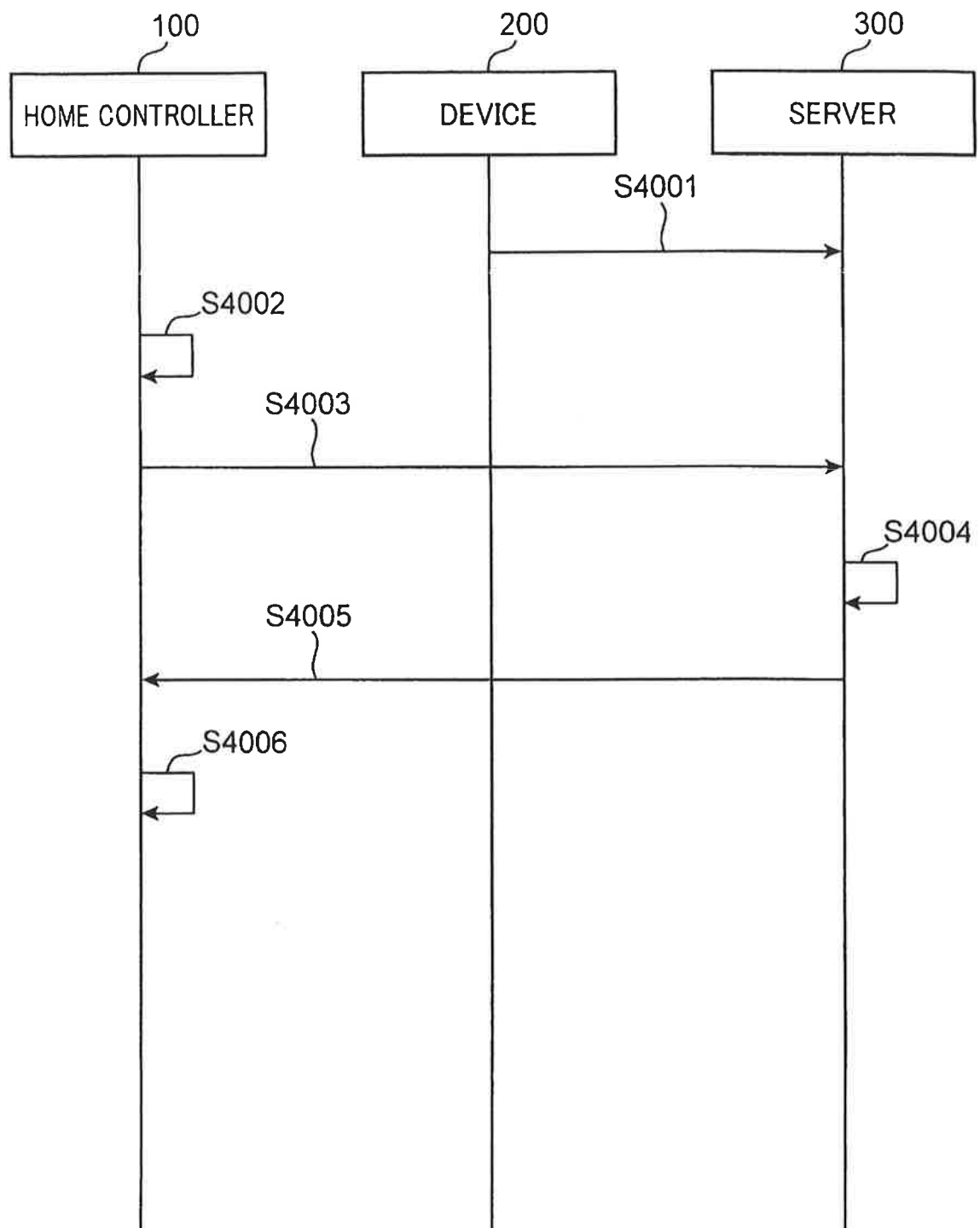


FIG. 45

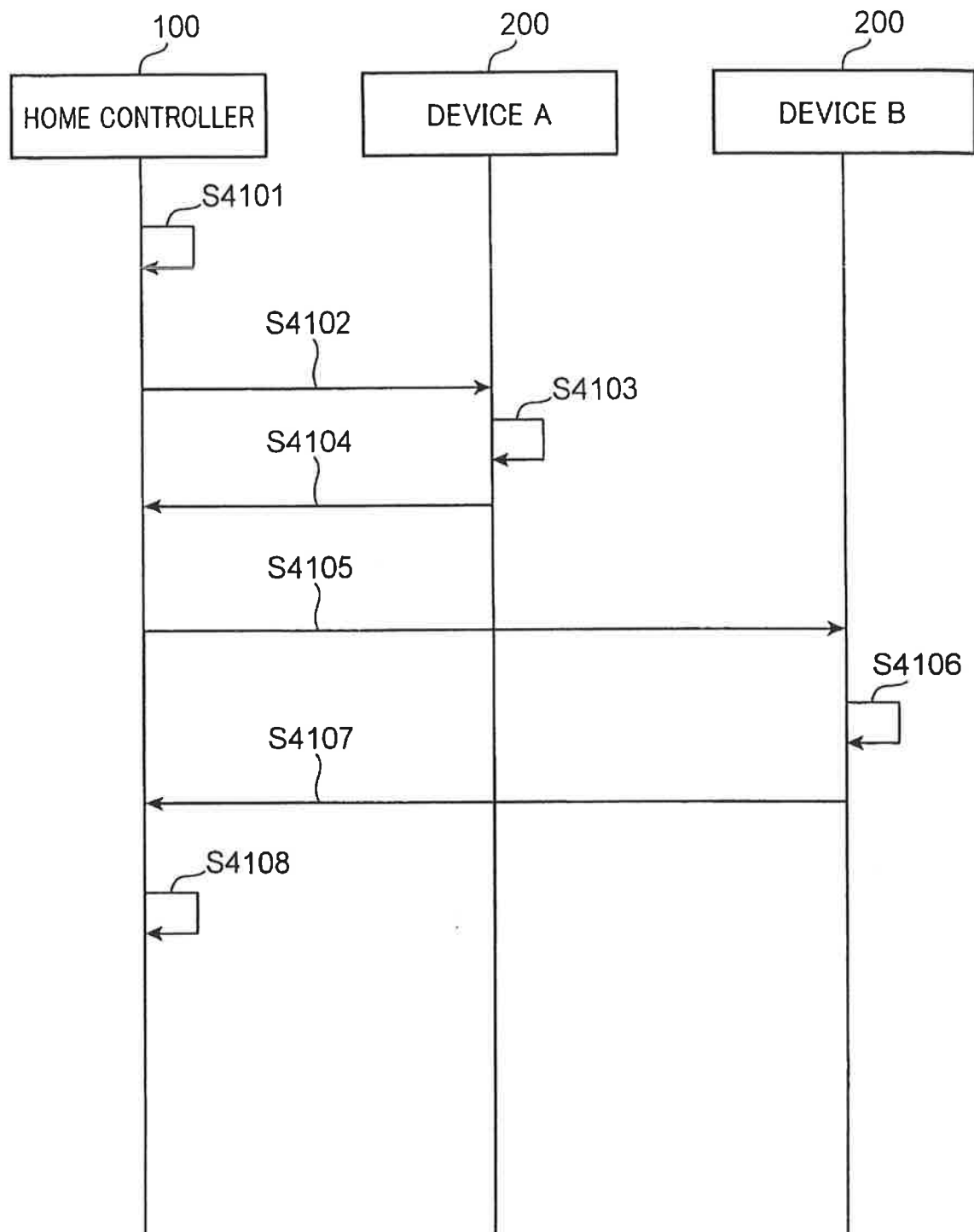


FIG. 46

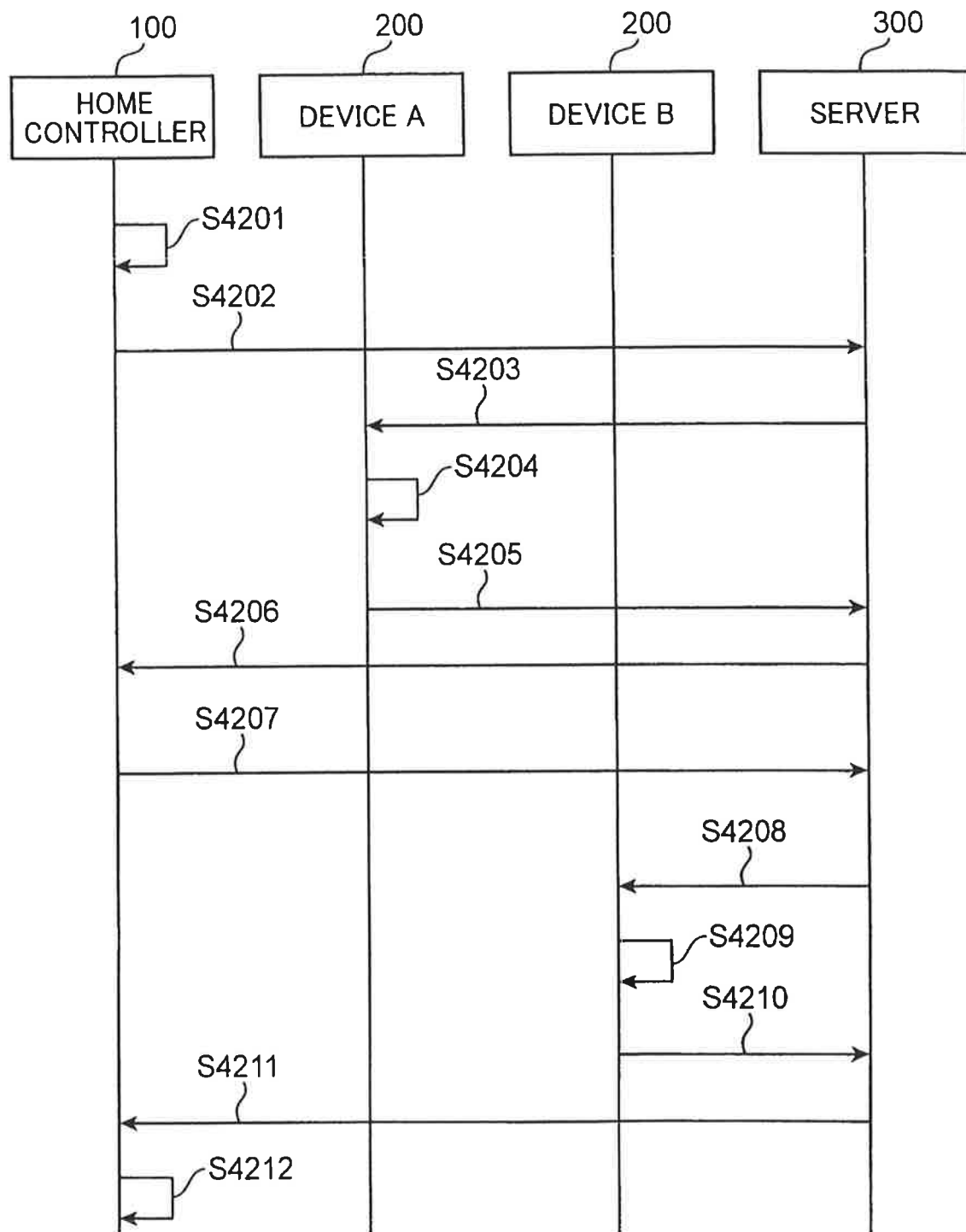


FIG. 47

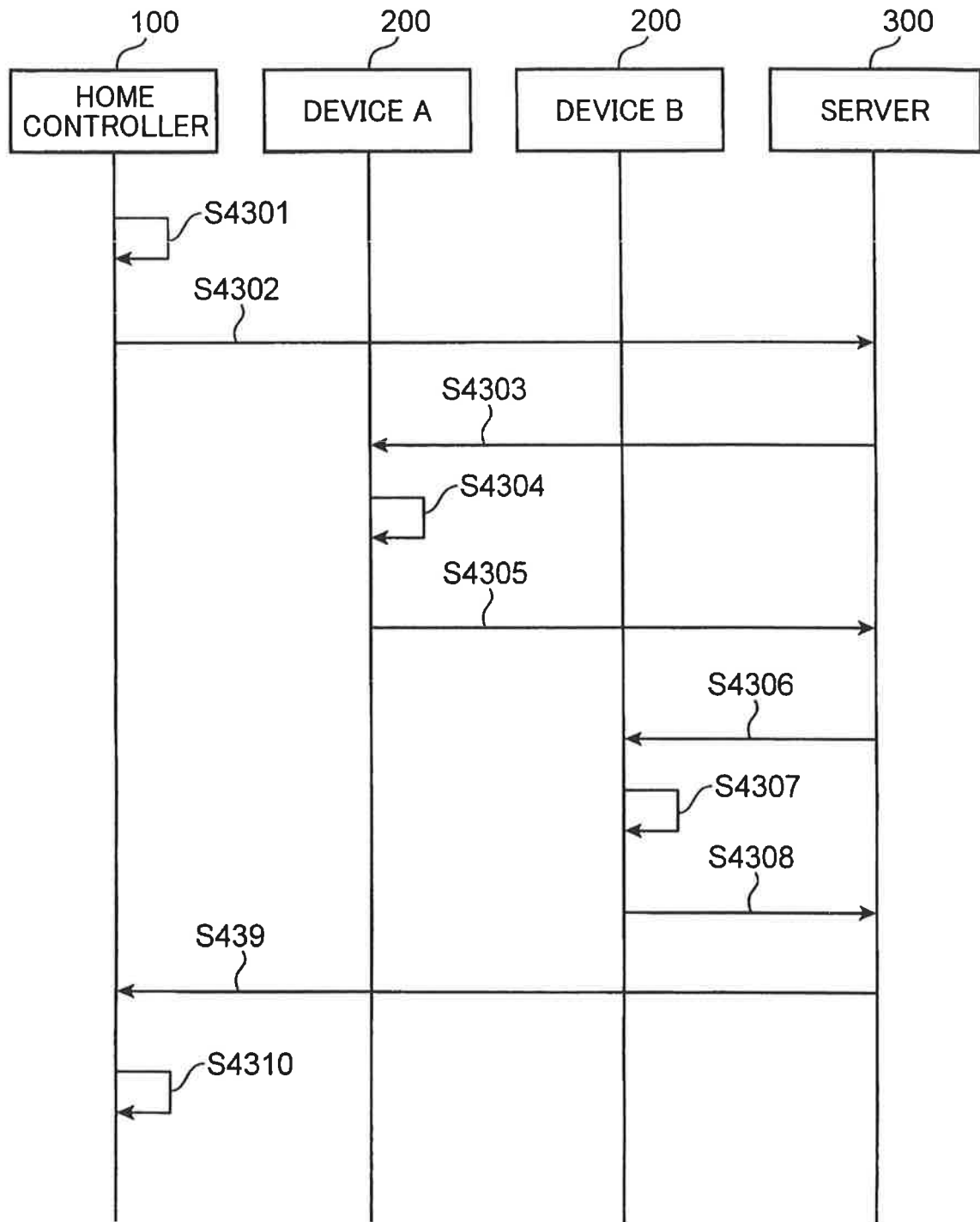


FIG. 48

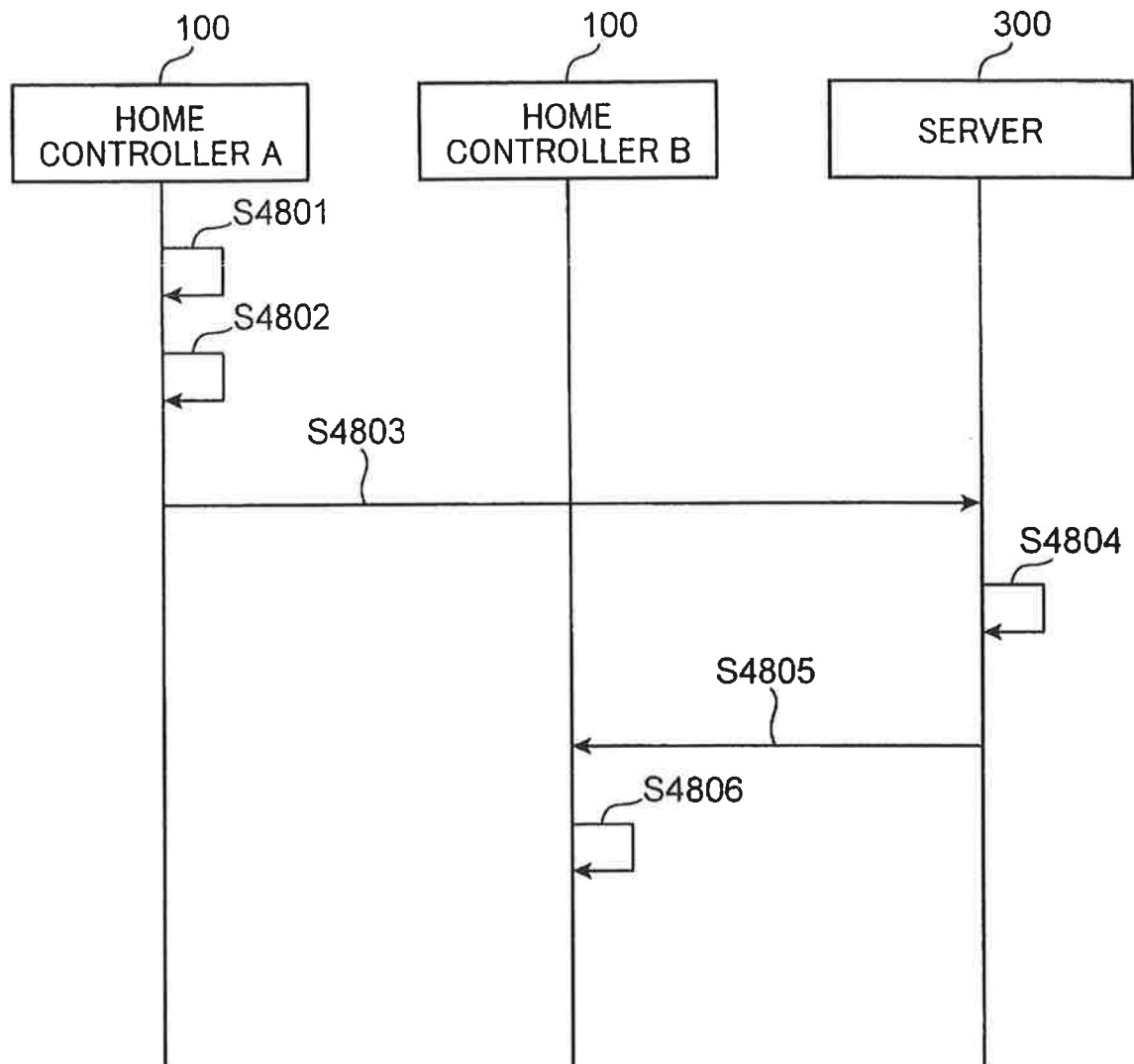


FIG. 49

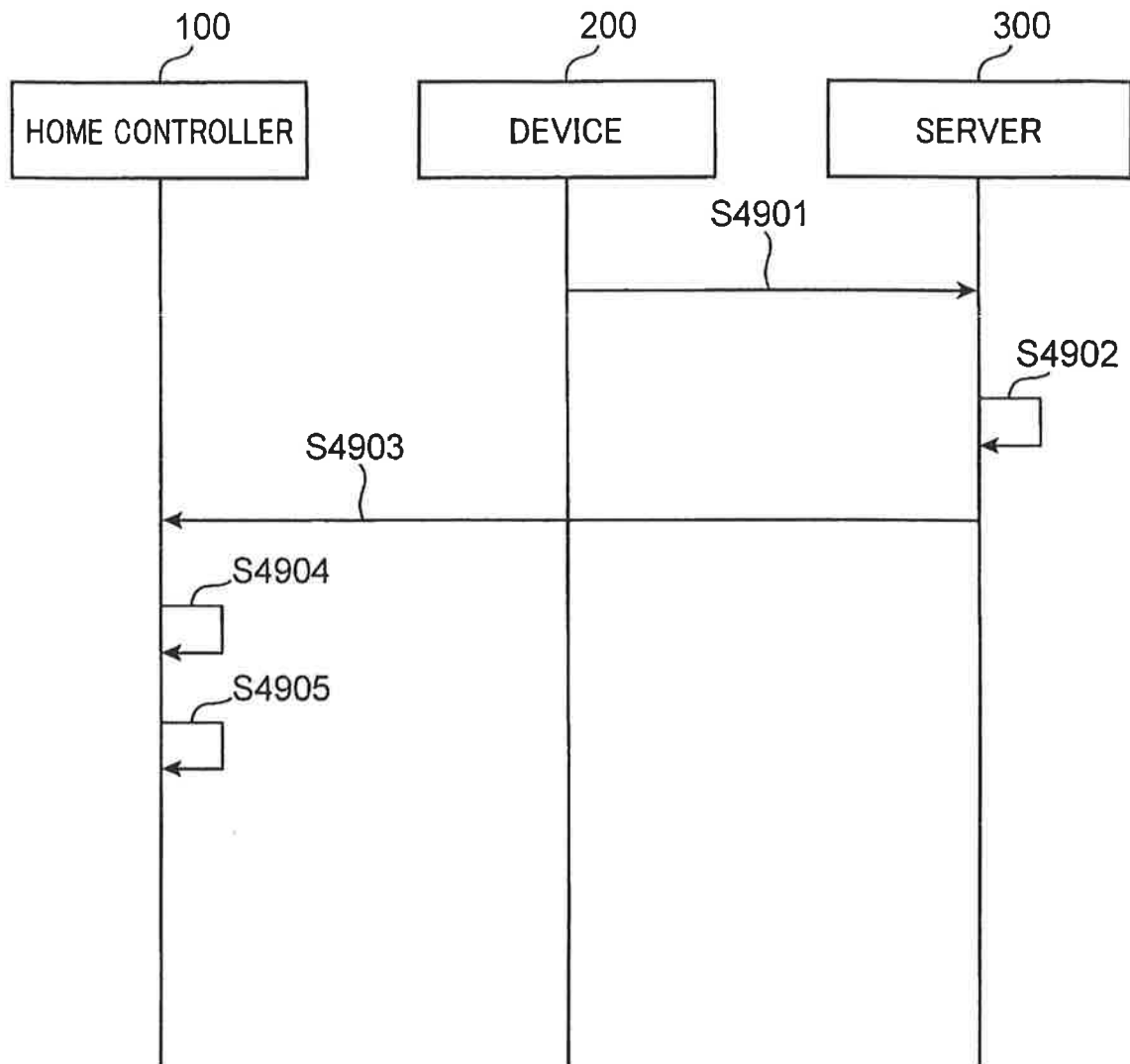


FIG. 50

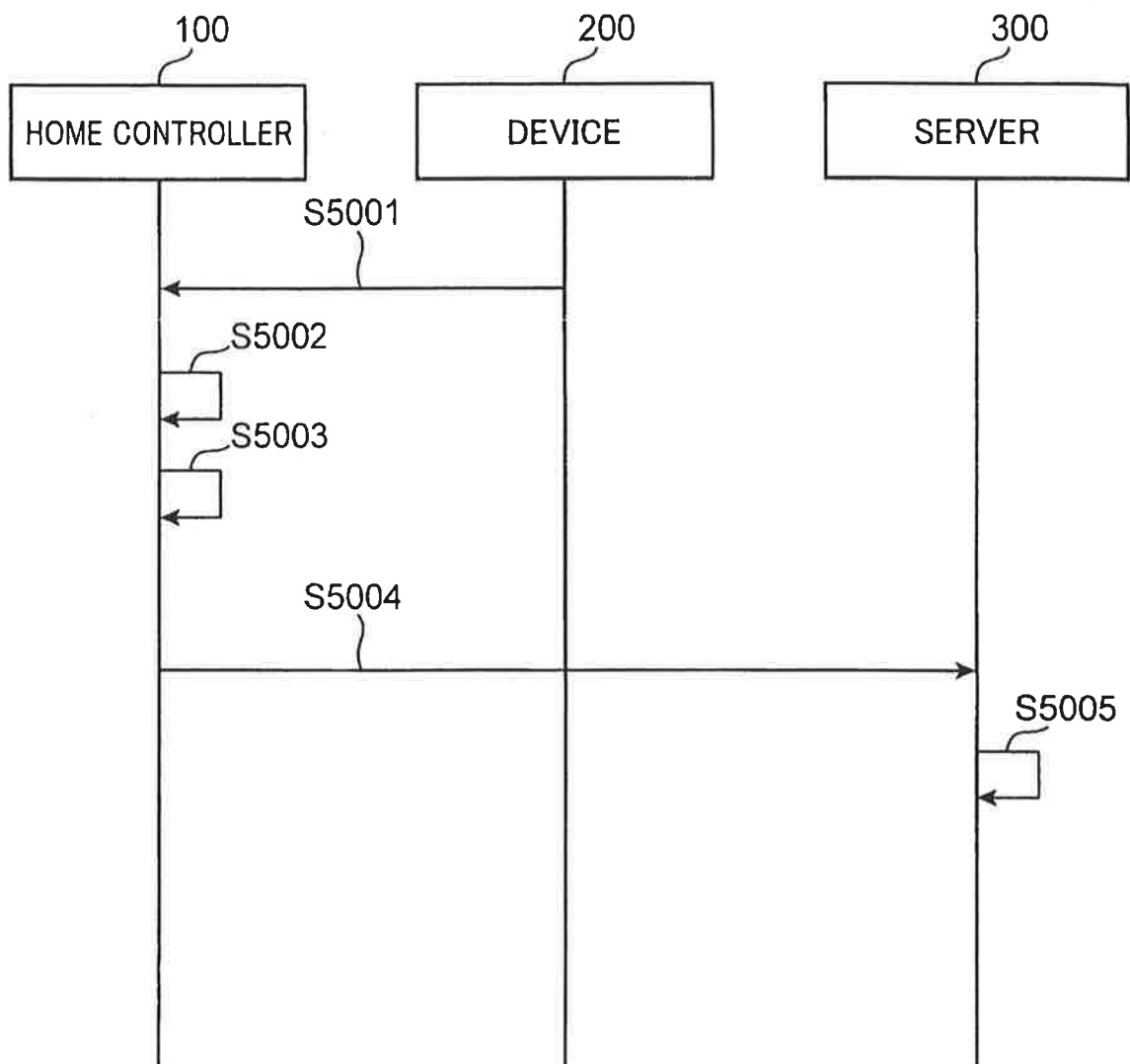


FIG. 51

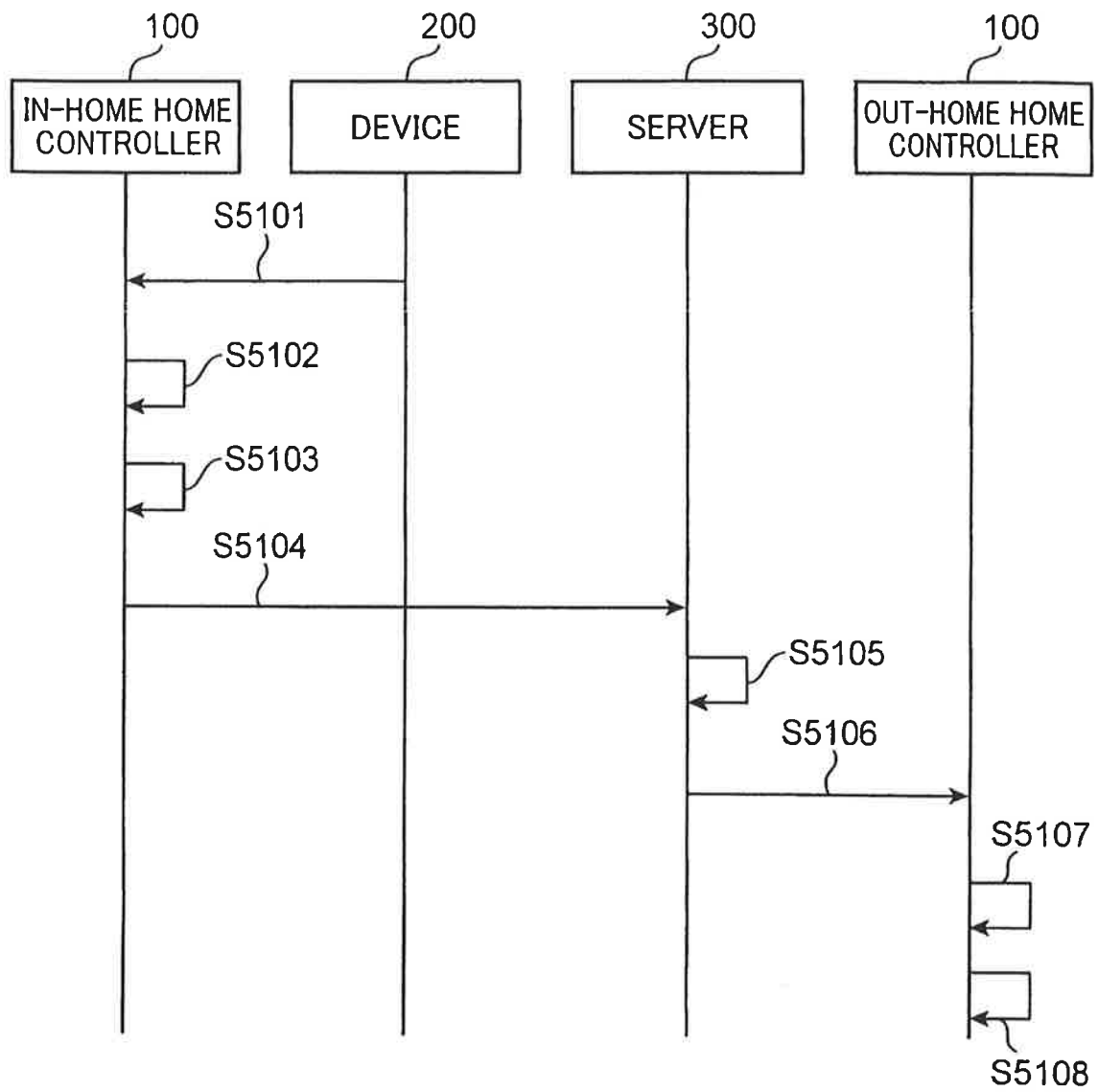


FIG. 52

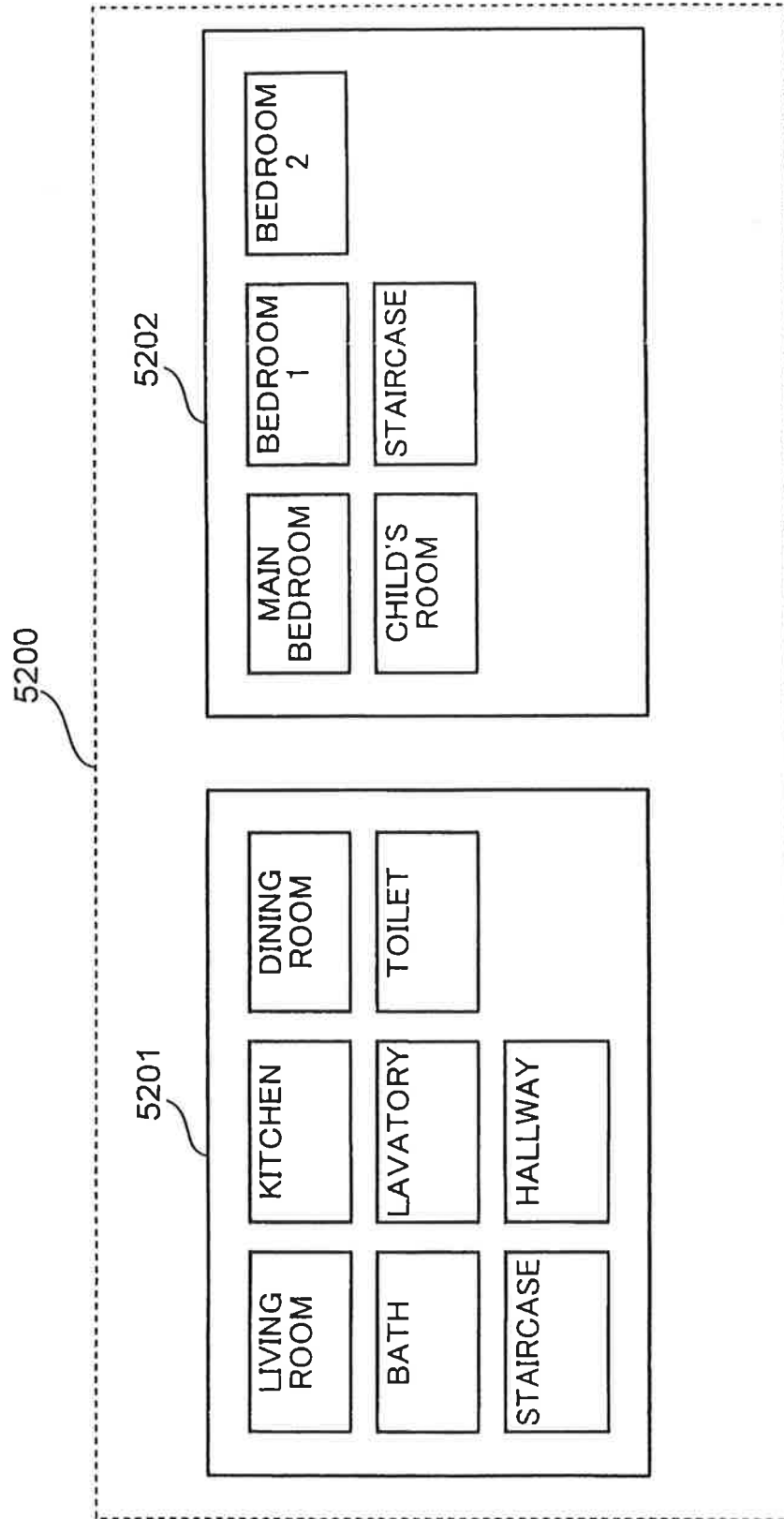


FIG. 53

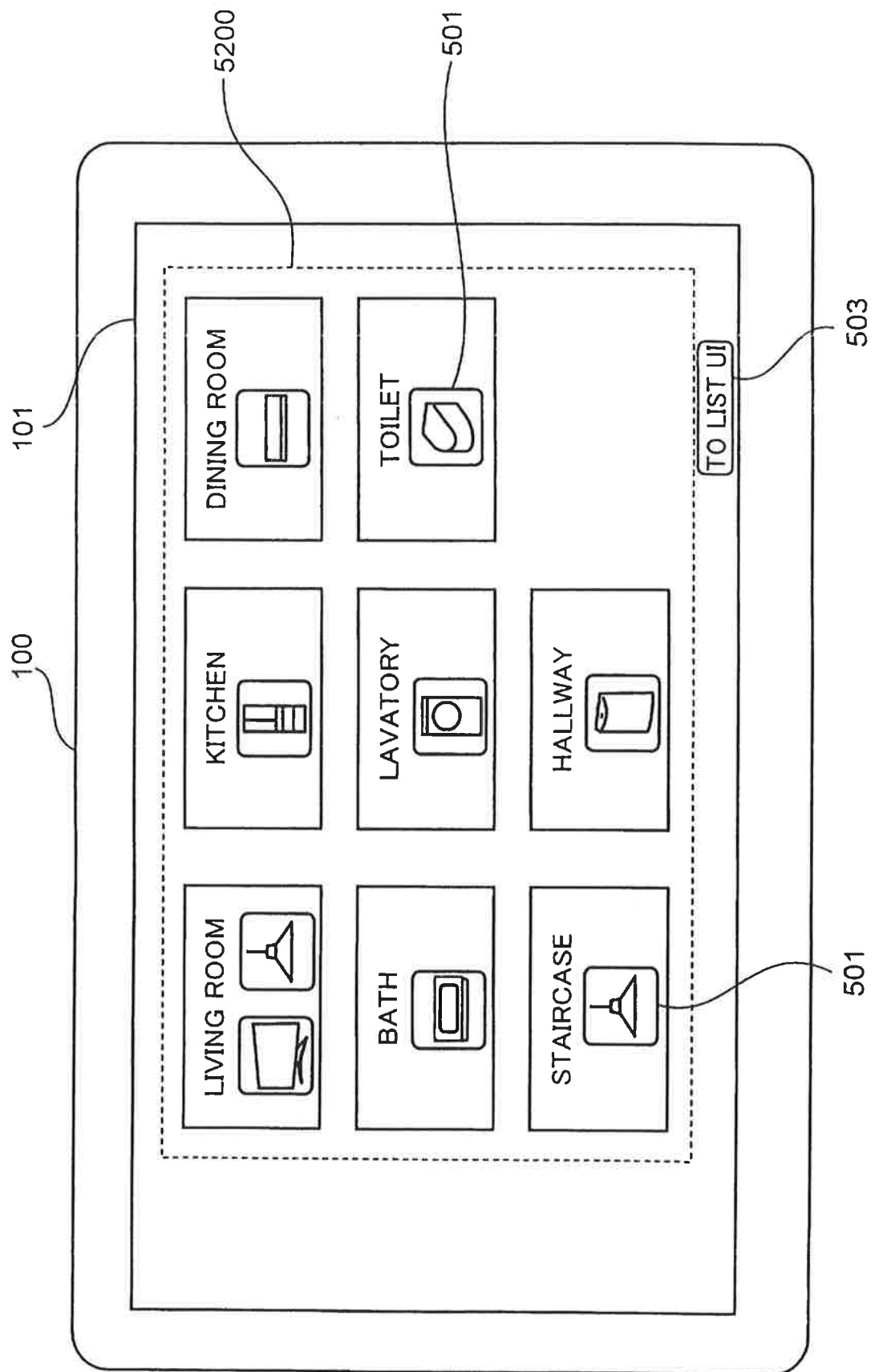


FIG. 54

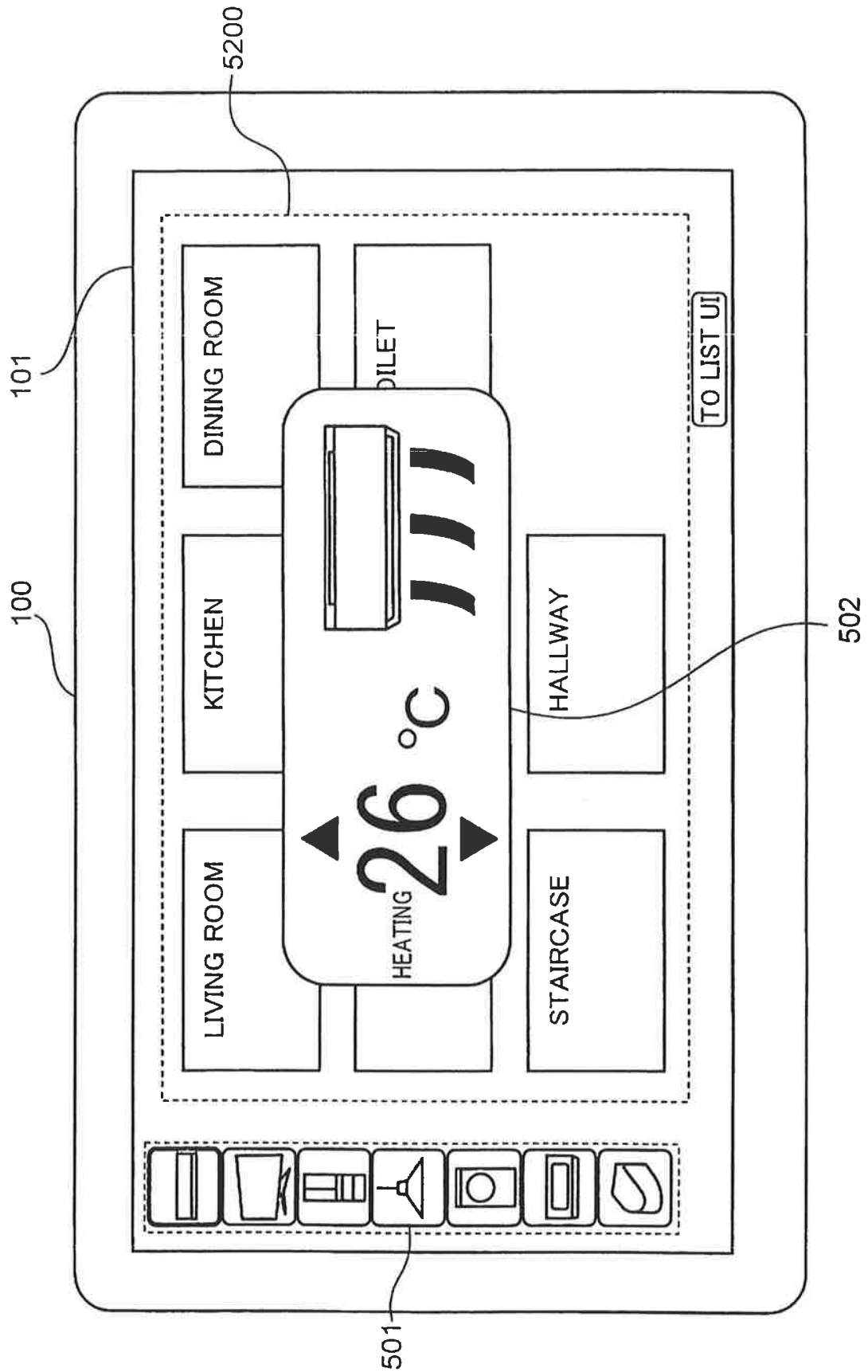


FIG. 55

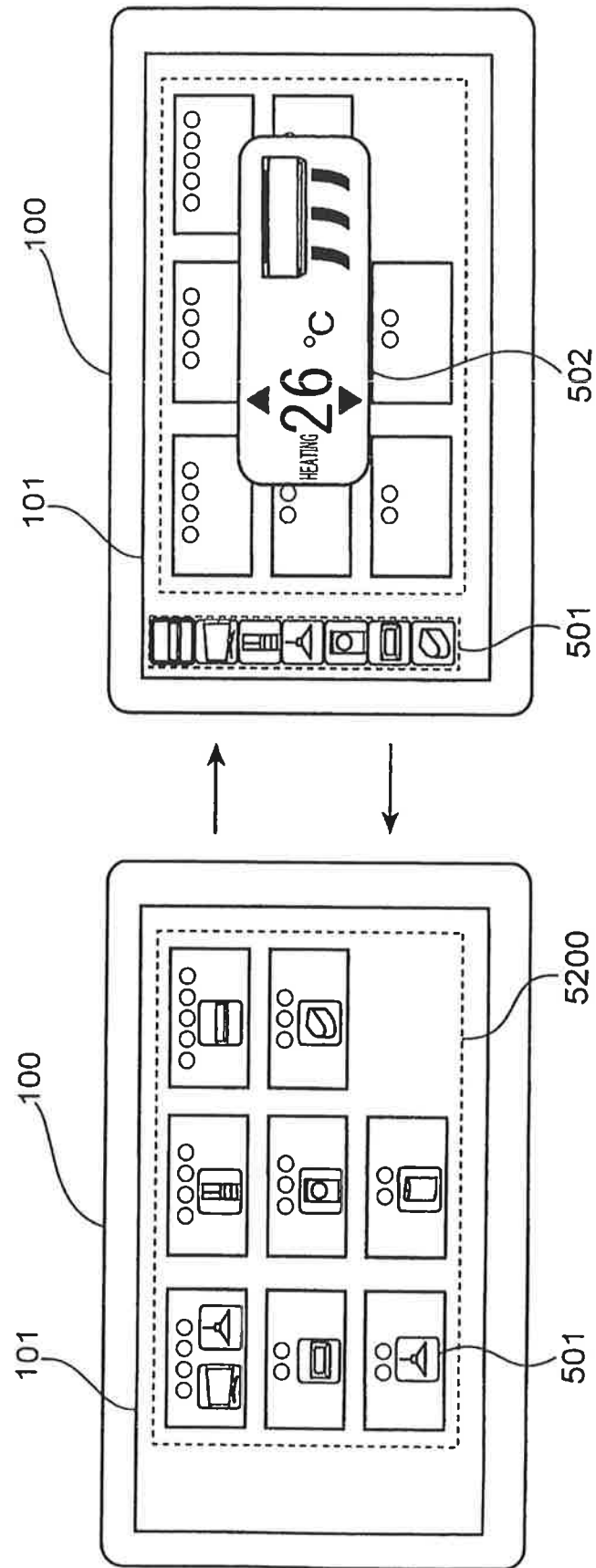


FIG. 56

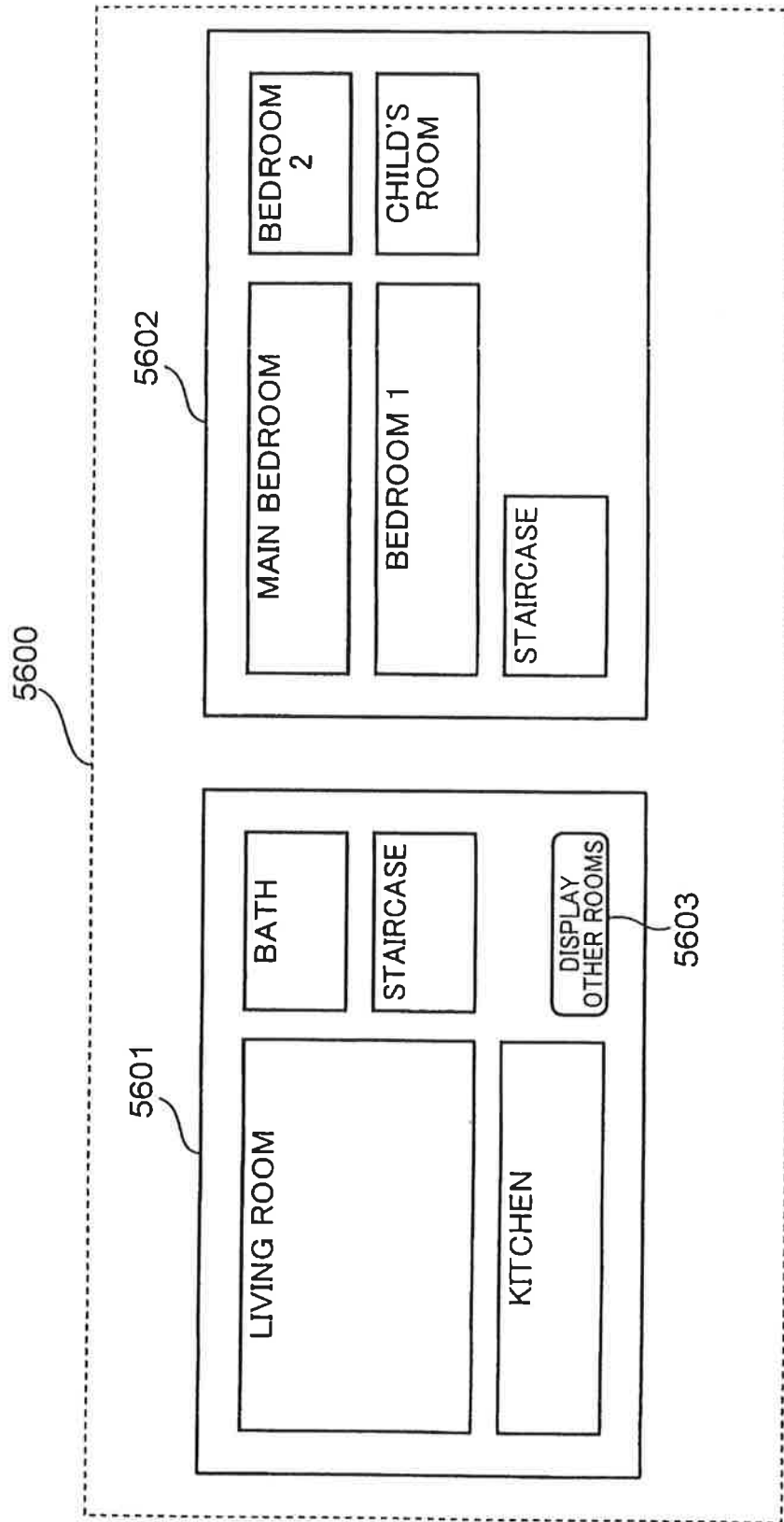


FIG. 57

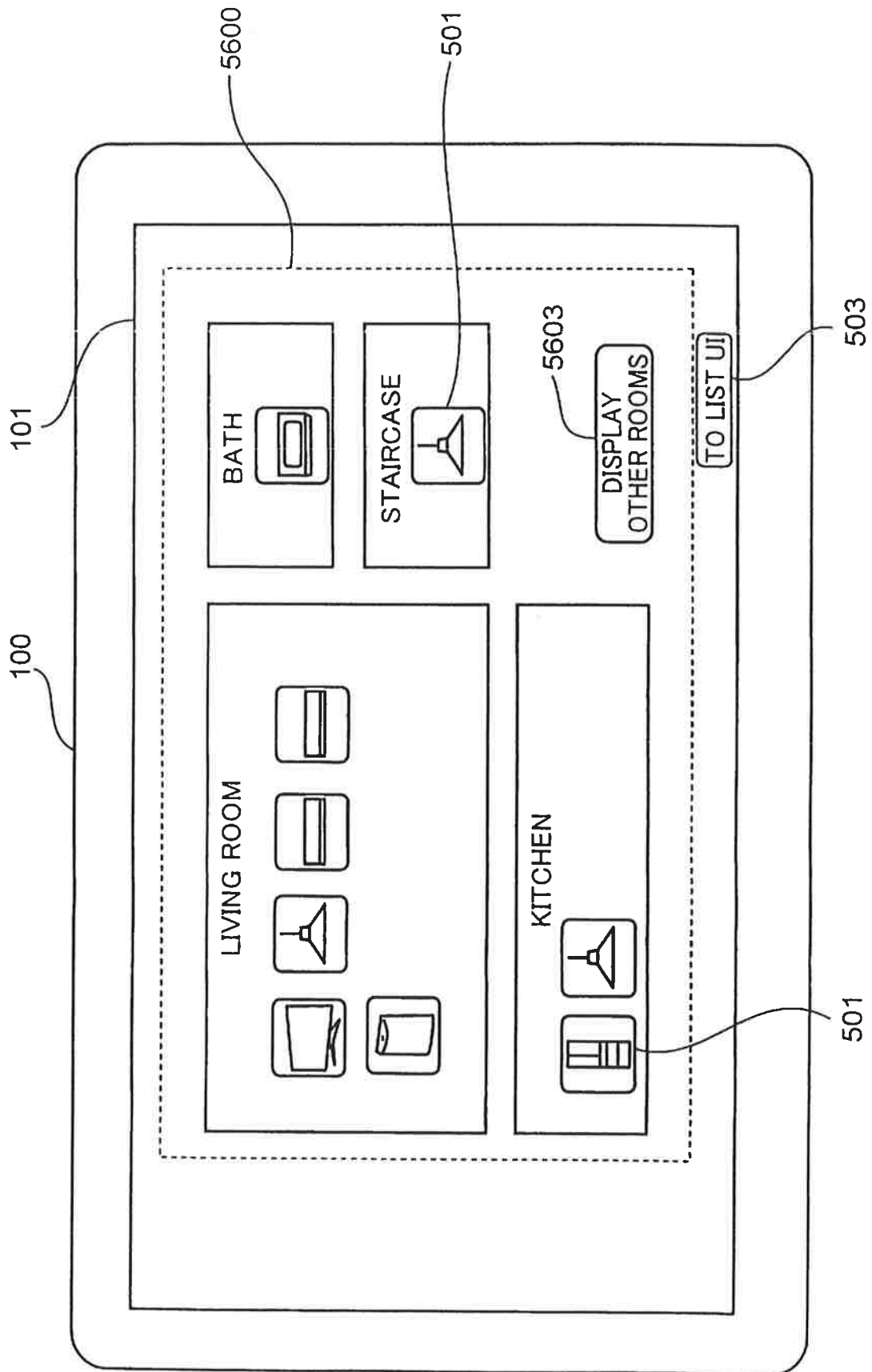


FIG. 58

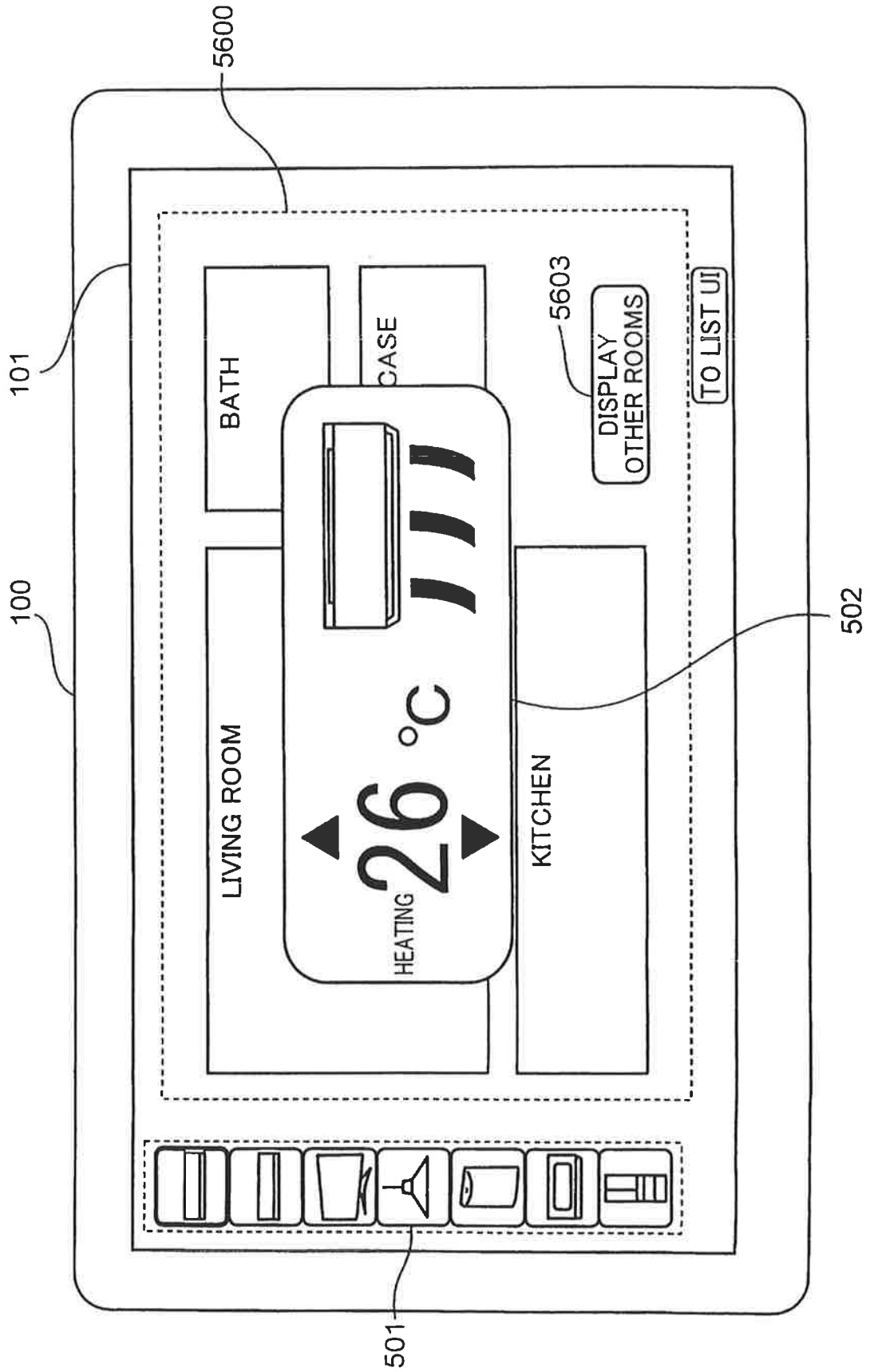


FIG. 59

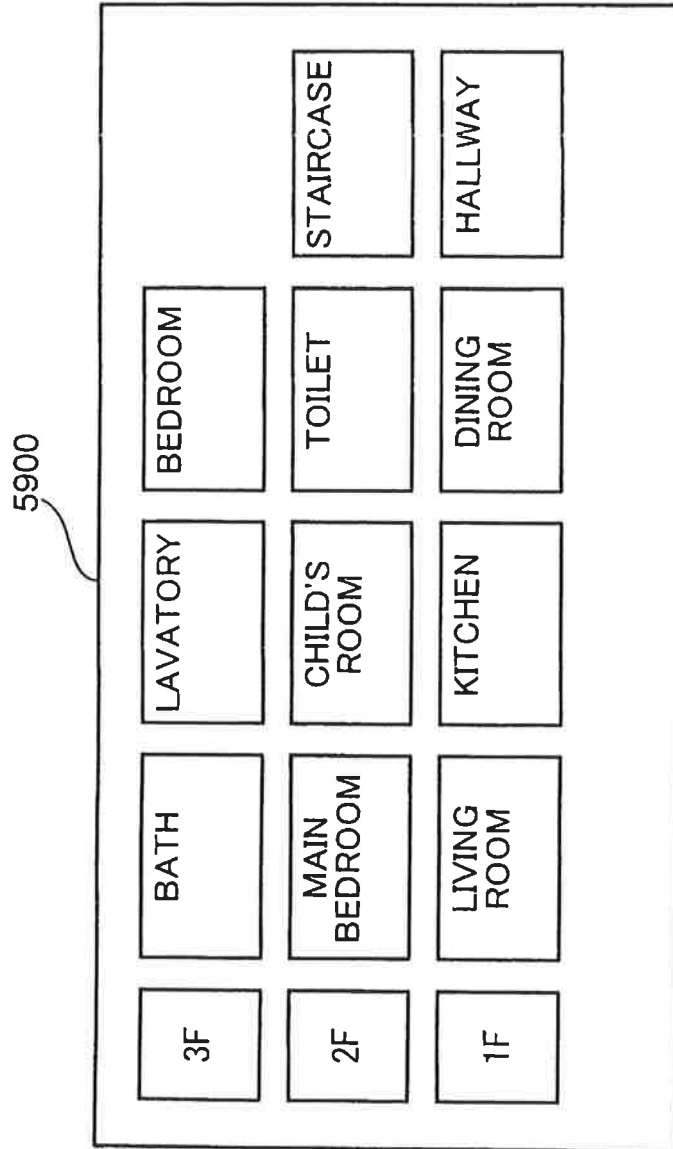


FIG. 60

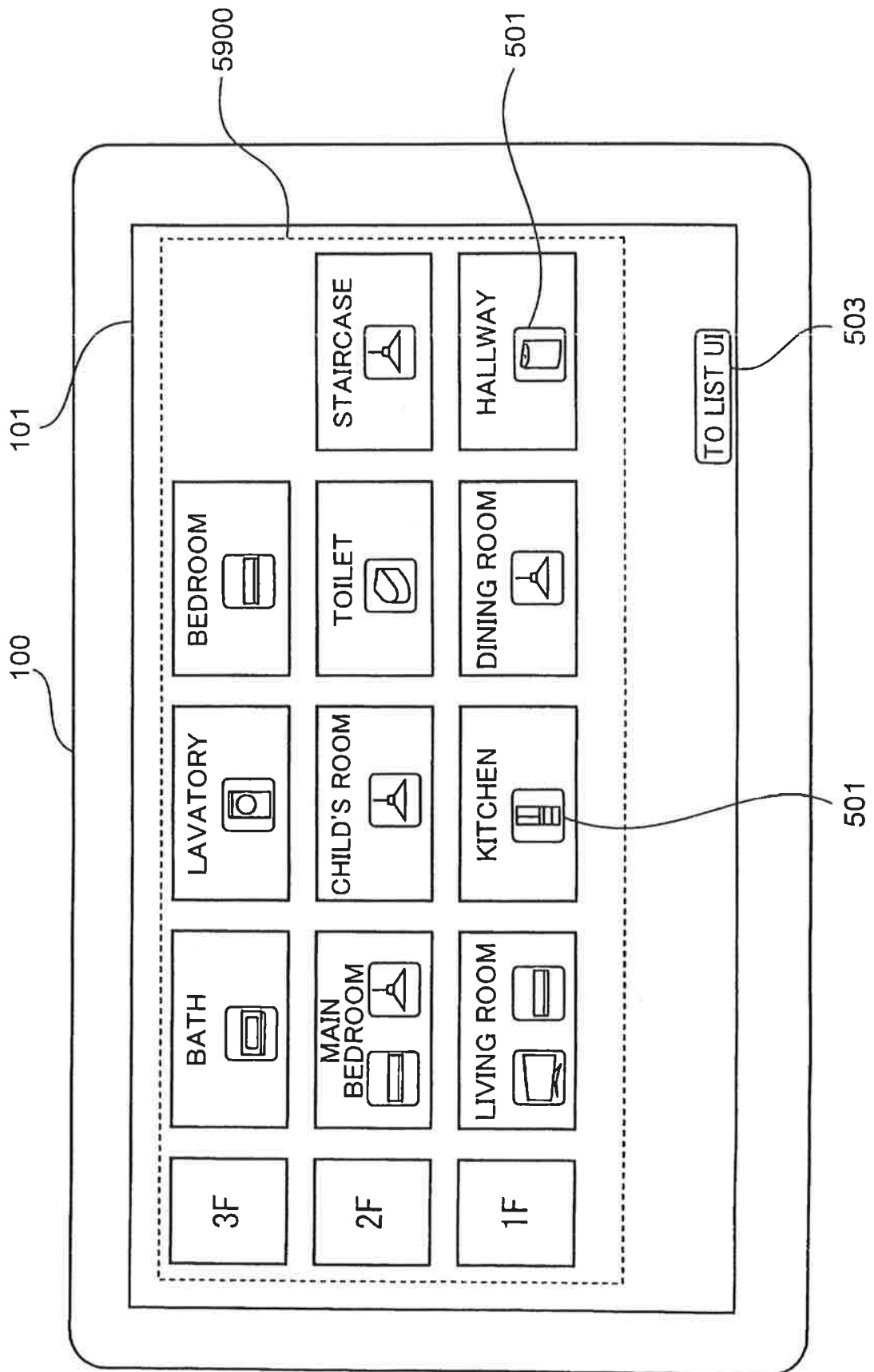


FIG. 61

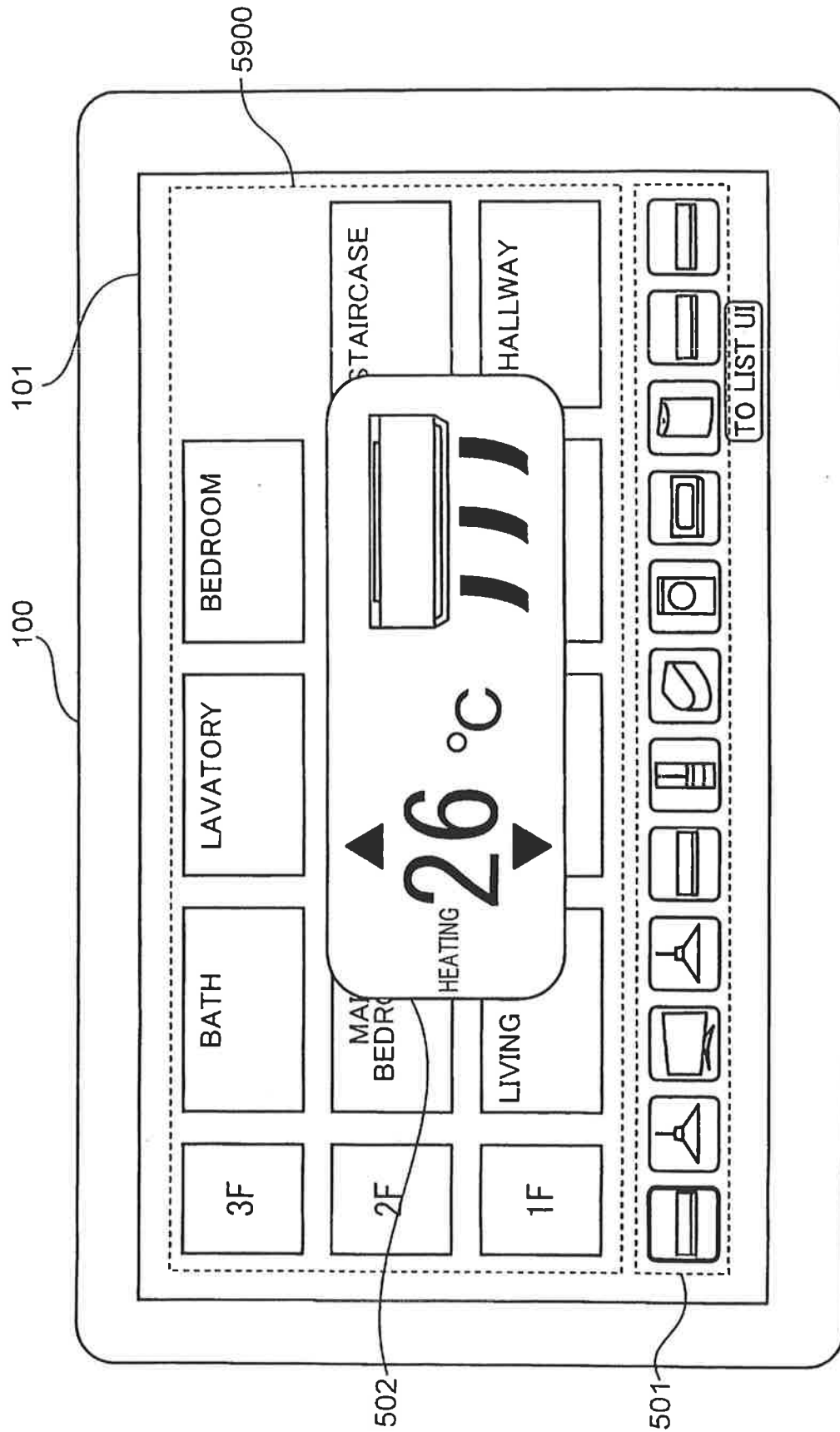
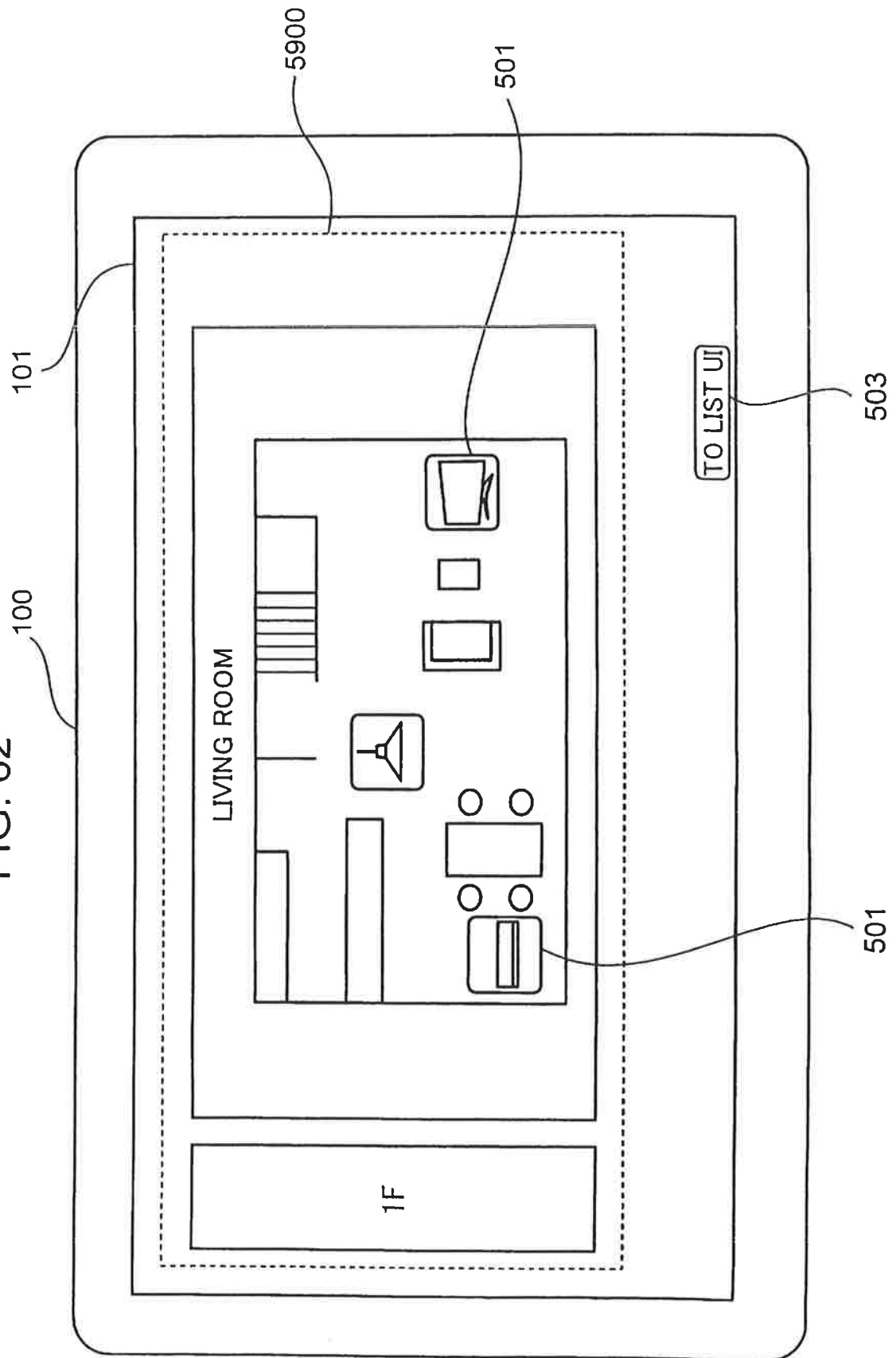


FIG. 62



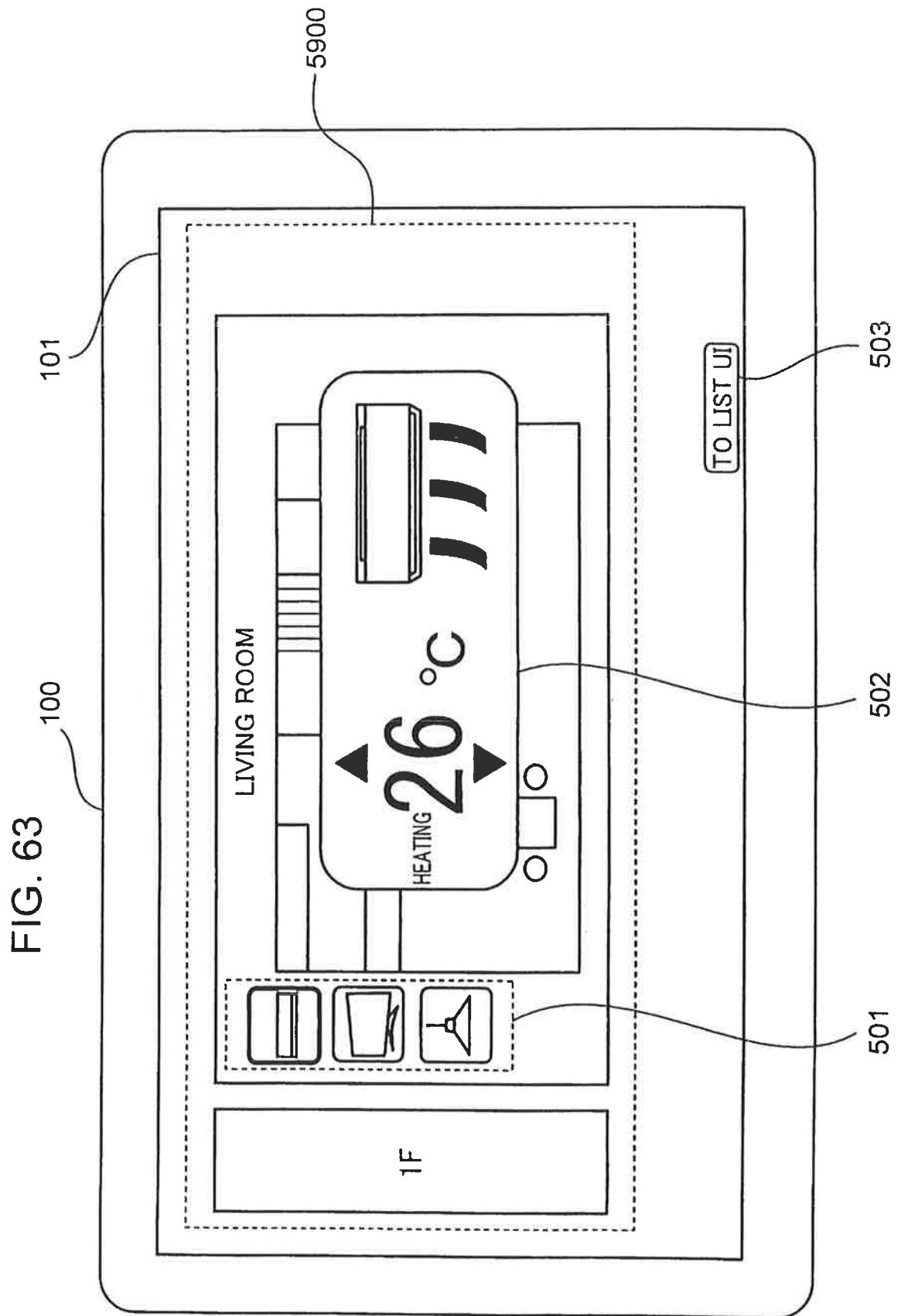


FIG. 64

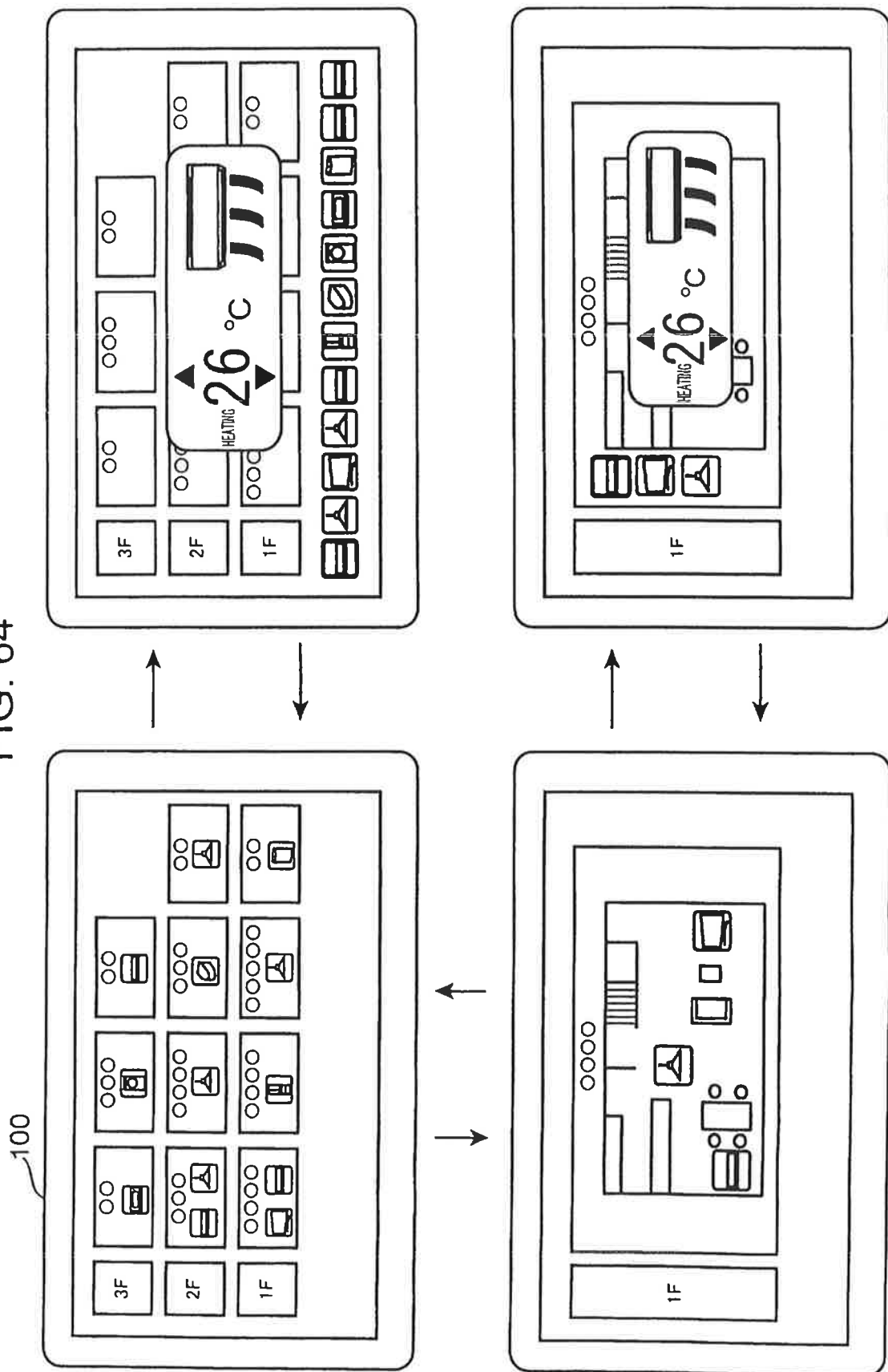


FIG. 65

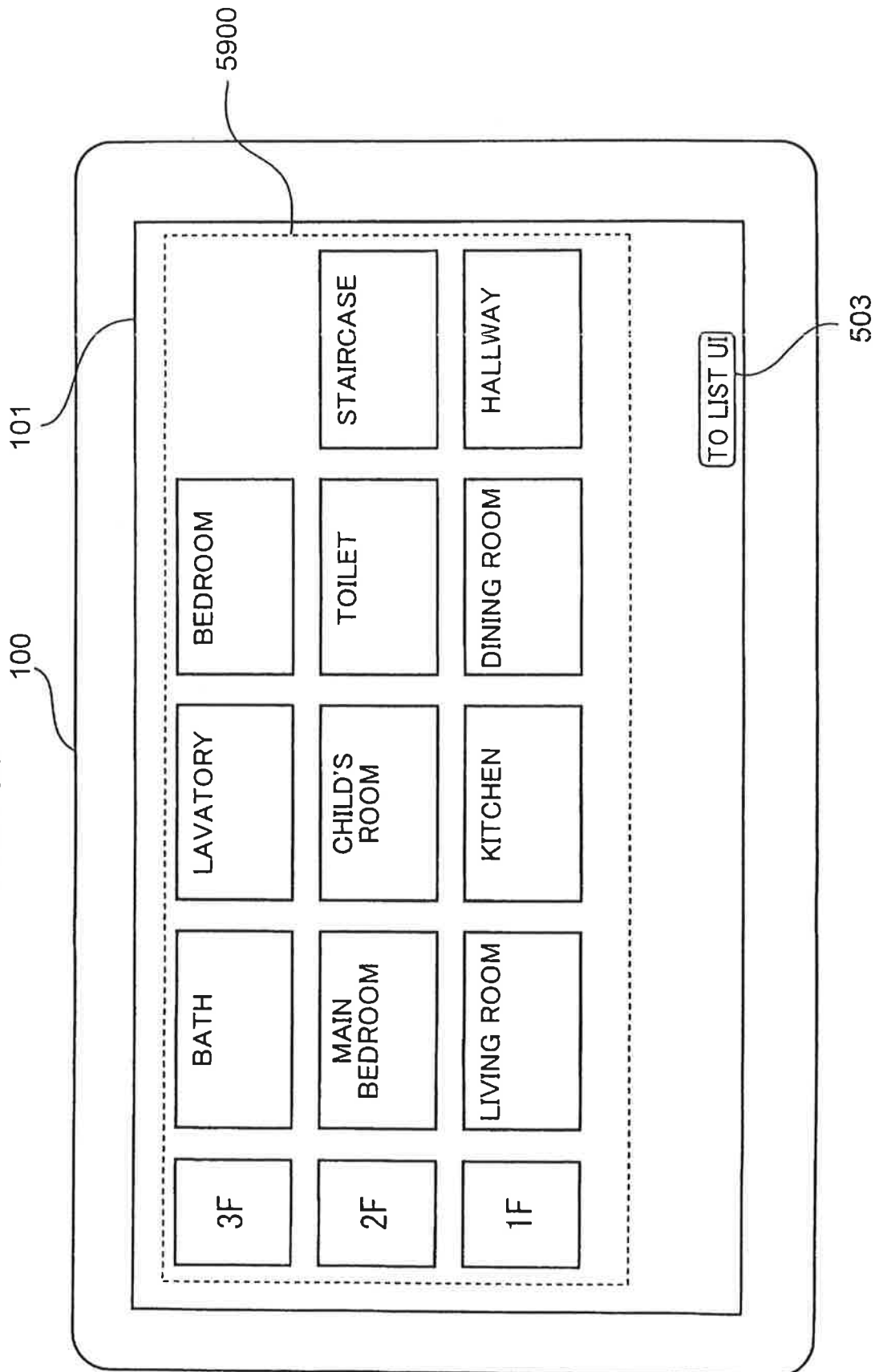


FIG. 66

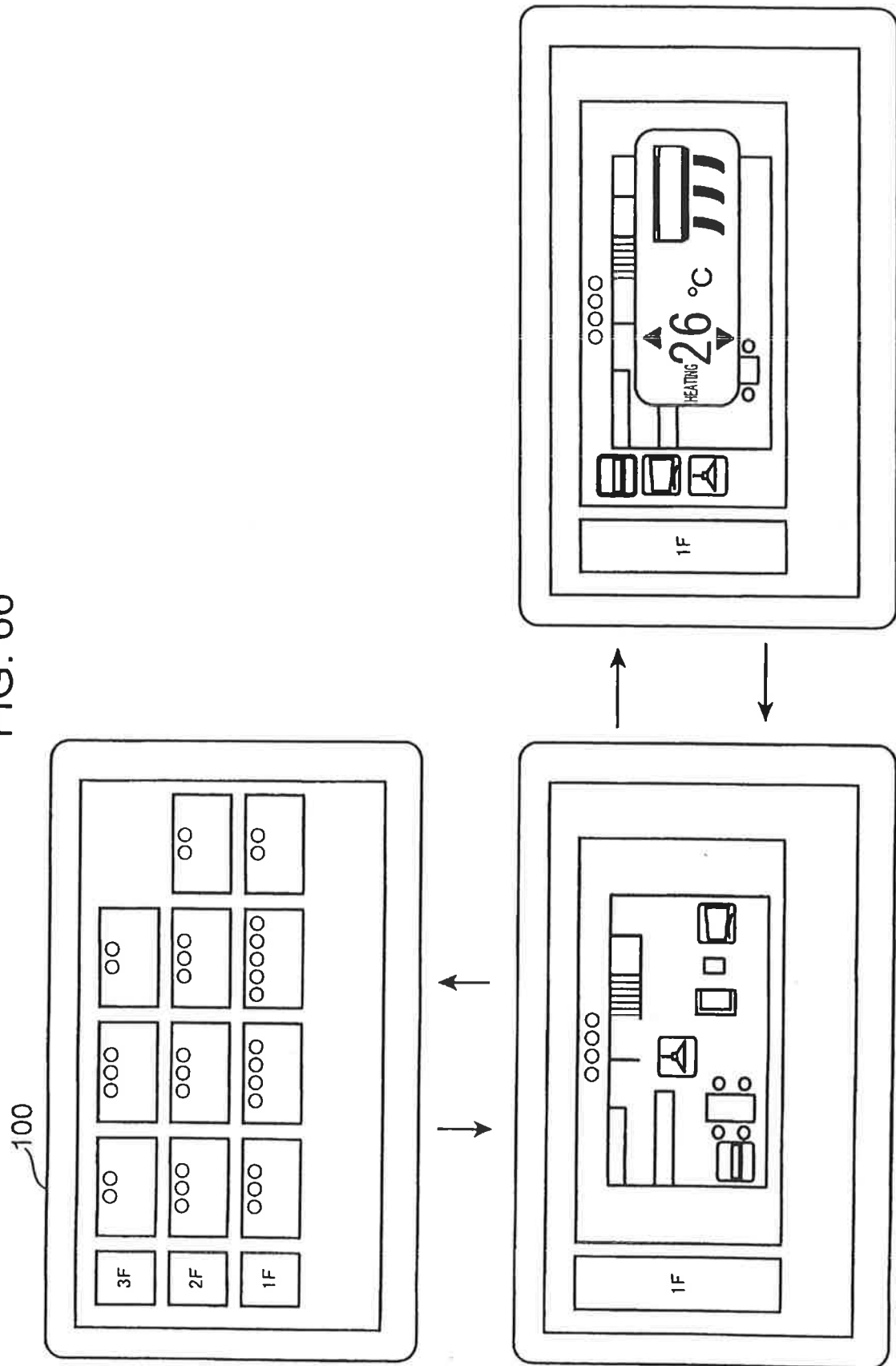


FIG. 67

6400

5200	FLOOR PLAN
6800	ROOM INFORMATION
4700	DEVICE LIST MANAGED BY SERVER

FIG. 68

6800

6801 6802 6803 6804

ROOM ID	ROOM TYPE	FLOOR LEVEL	DISPLAY POSITION
A	LIVING ROOM	FIRST FLOOR	FIRST CELL ON FIRST FLOOR
B	BEDROOM	SECOND FLOOR	FIRST CELL ON SECOND FLOOR
C	BATH	FIRST FLOOR	FOURTH CELL ON FIRST FLOOR
D	STAIRCASE	FIRST FLOOR SECOND FLOOR	SEVENTH CELL ON FIRST FLOOR SECOND CELL ON SECOND FLOOR
...			

FIG. 69

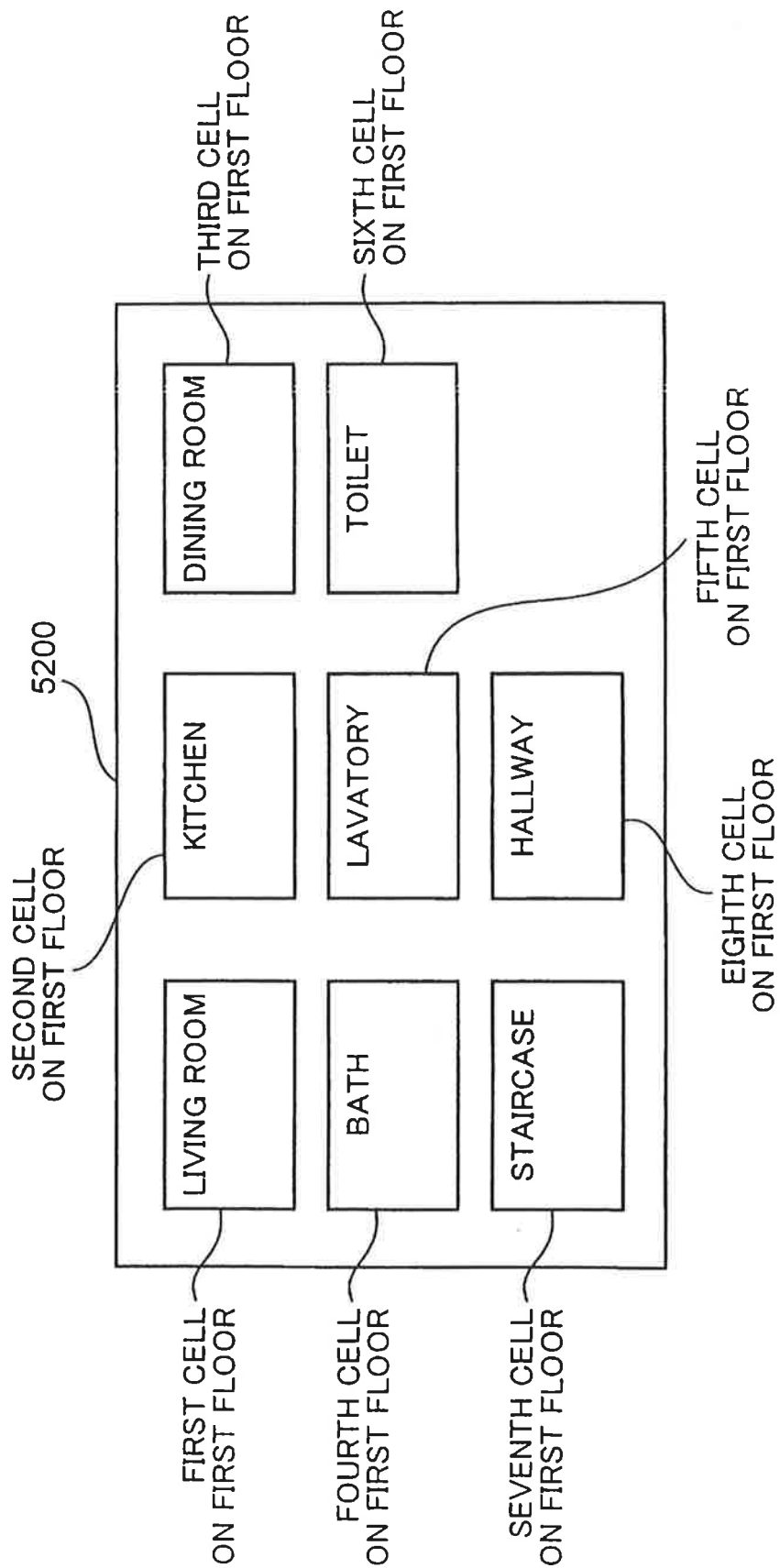


FIG.70

DEVICE ID	DEVICE TYPE	MODEL NUMBER	ARRANGEMENT	CAPABILITY INFORMATION	CONTROL COMMAND TRANSMISSION DESTINATION
A	AIR CONDITIONER	CS-X403C	LIVING ROOM	TEMPERATURE CONTROL, AIR FLOW DIRECTION CONTROL, AND AIR FLOW AMOUNT CONTROL	DEVICE
B	ILLUMINATION	HH-LC710A	LIVING ROOM	ON/OFF CONTROL AND DIMMER CONTROL	DEVICE
C	REFRIGERATOR	NR-F557XV	KITCHEN	POWER CONSUMPTION STATE MANAGEMENT	SERVER
...					

4700

4701

4702

4703

4704

4705

4706

FIG. 71

3101 DEVICE ID	3102 DEVICE TYPE	3103 MODEL NUMBER	3104 ARRANGEMENT	3105 CAPABILITY INFORMATION	3106 CONTROL COMMAND TRANSMISSION DESTINATION	3107 IP ADDRESS
A	AIR CONDITIONER	CS-X403C	LIVING ROOM	TEMPERATURE CONTROL, AIR FLOW DIRECTION CONTROL, AND AIR FLOW AMOUNT CONTROL	DEVICE	192.168.0.5
B	ILLUMINATION	HH-LC710A	LIVING ROOM	ON/OFF CONTROL AND DIMMER CONTROL	DEVICE	192.168.0.6
C	REFRIGERATOR	NR-F557XV	KITCHEN	POWER CONSUMPTION STATE MANAGEMENT	SERVER	192.168.0.7
...						

FIG. 72

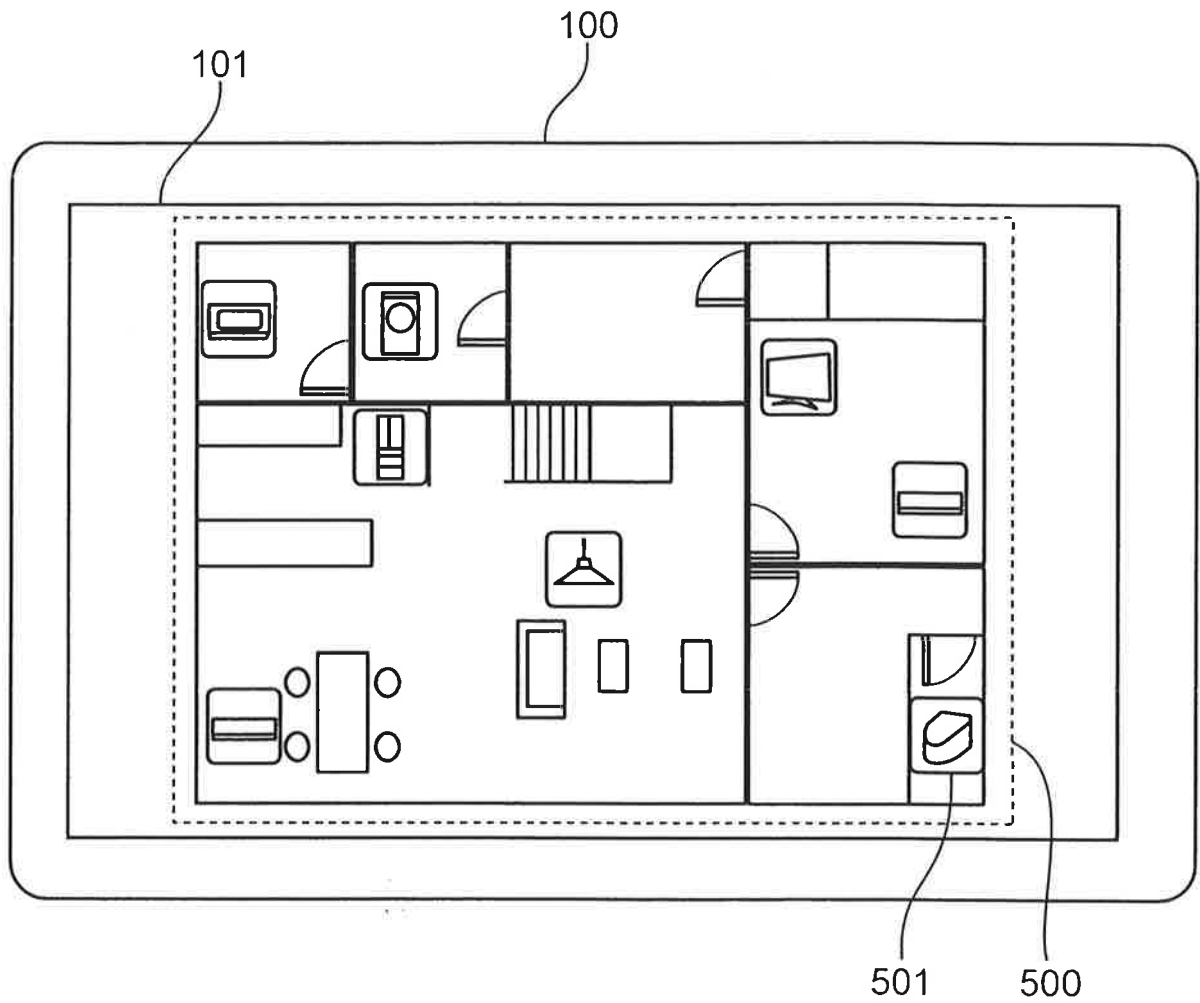


FIG. 73

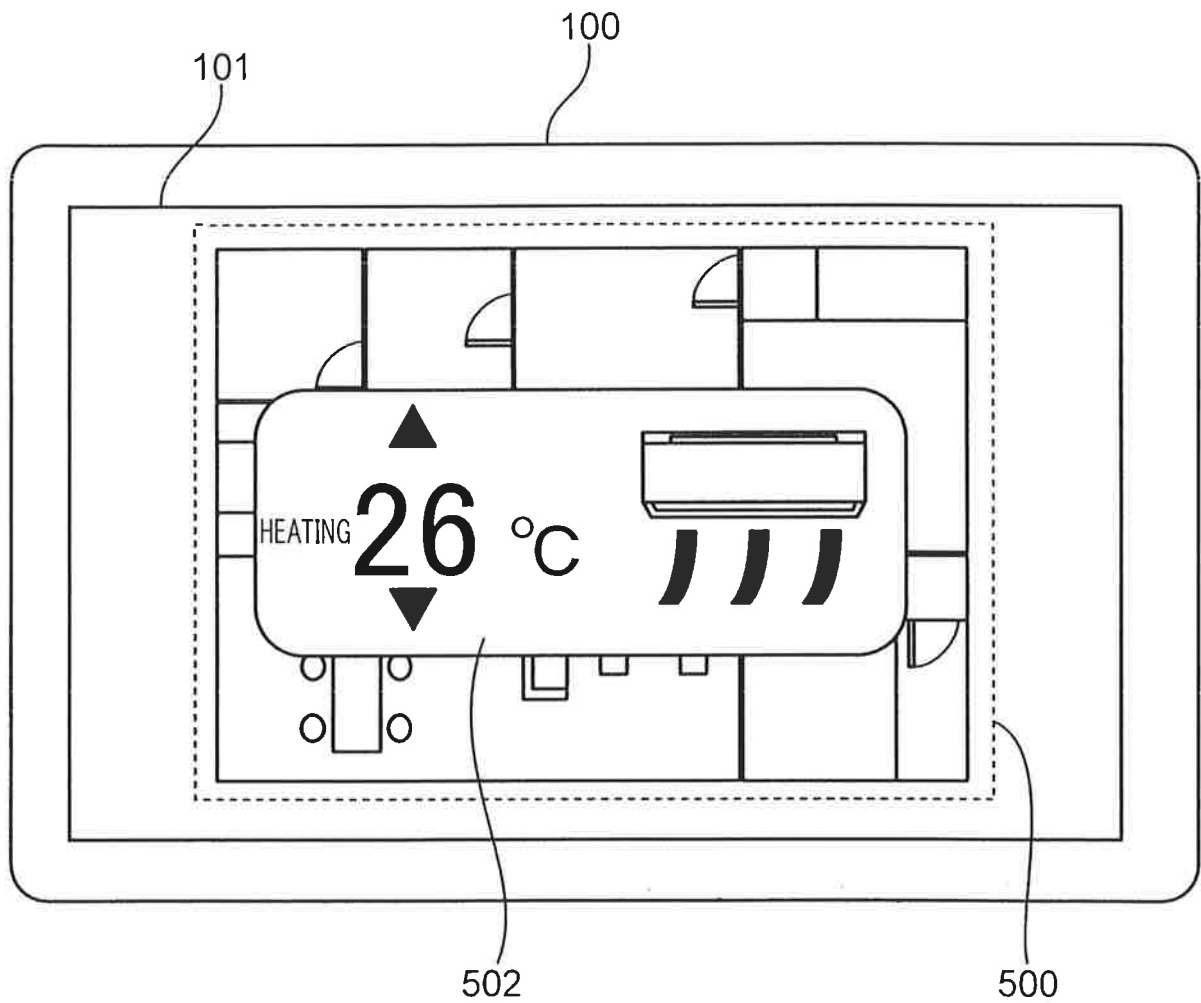


FIG. 74

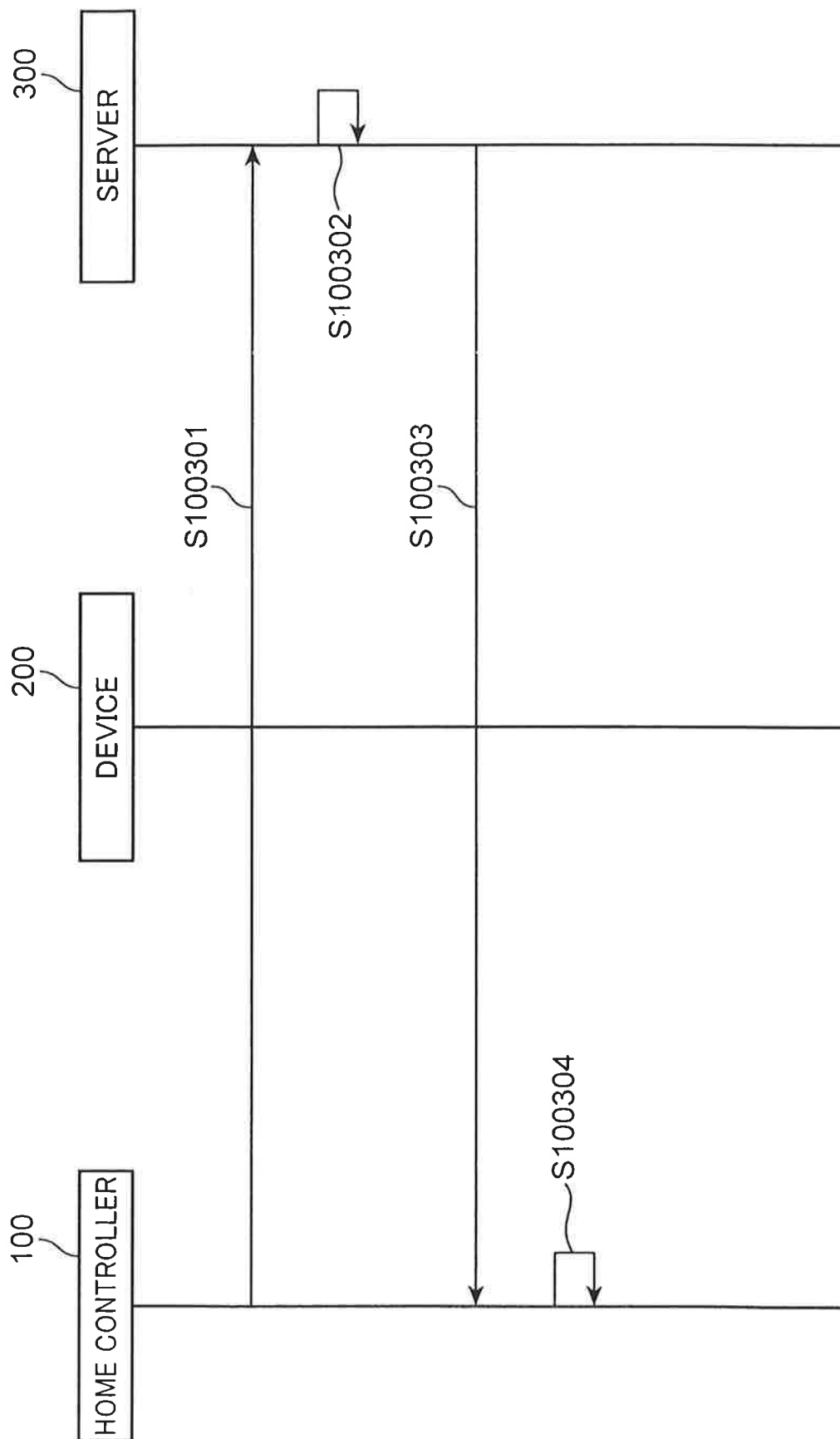


FIG. 75

100501	100502	100503	100504
DEVICE ID	DEVICE TYPE	MOVEMENT DESTINATION	RETENTION TIME INFORMATION
R	REFRIGERATOR	(X70, Y200, Z1)	0

FIG. 76

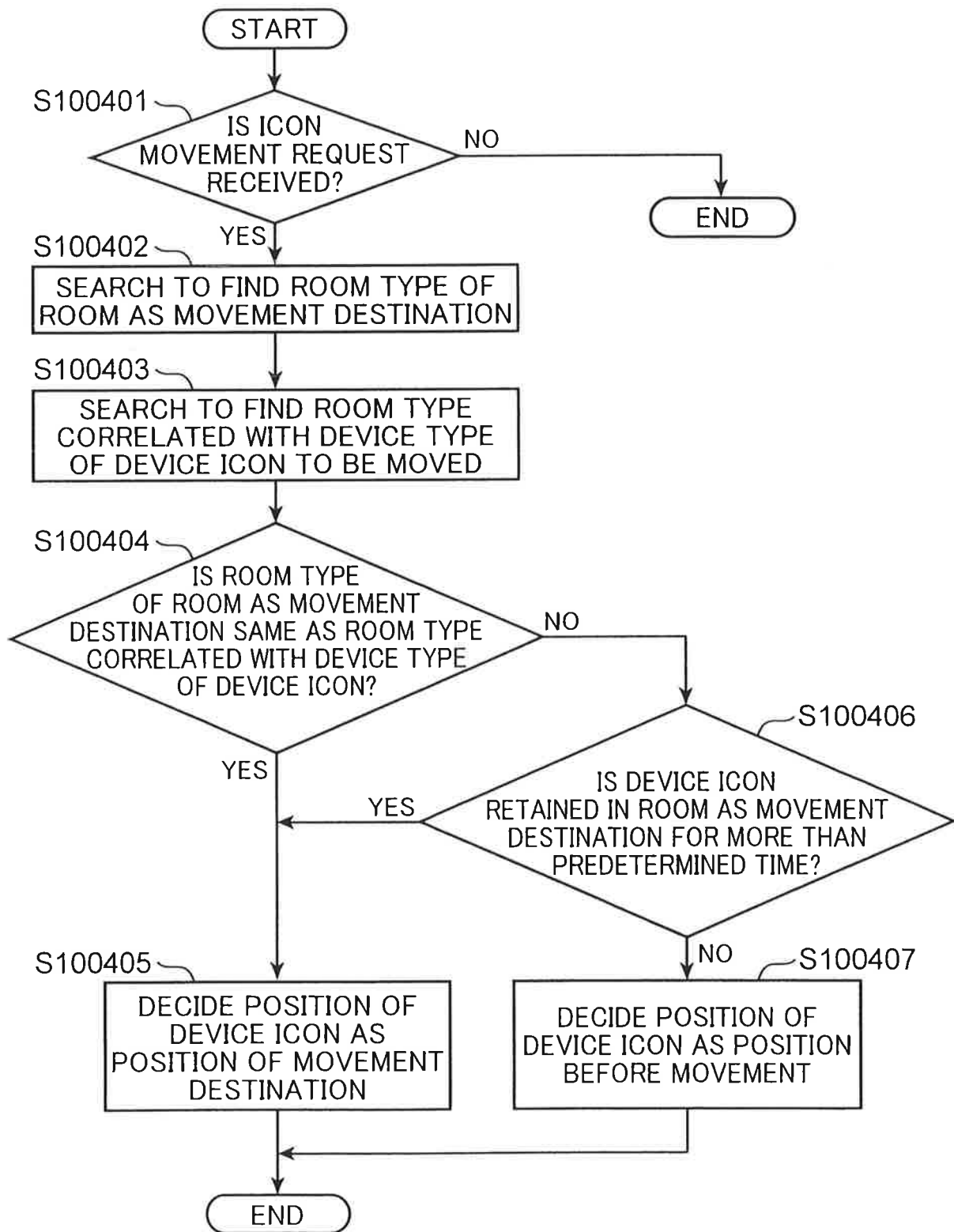


FIG. 77

100600

100601

100602

VERTEX ID	VERTEX COORDINATE
A	(X0, Y0, Z1)
B	(X20, Y0, Z1)
C	(X40, Y0, Z1)
...	
P	(X150, Y100, Z1)

FIG. 78

100700

100701

100702

100703

ROOM ID	ROOM TYPE	ROOM COORDINATE
A	LIVING ROOM	(F, G, H, I, L, O, N)
B	BEDROOM	(J, K, M, L, I)
C	BATH	(A, B, G, F)
D	STAIRCASE	(H, I, R, Q)
F	KITCHEN	(F, S, T, U)
G	CHILD'S ROOM	(C, D, I, J)
...		

FIG. 79

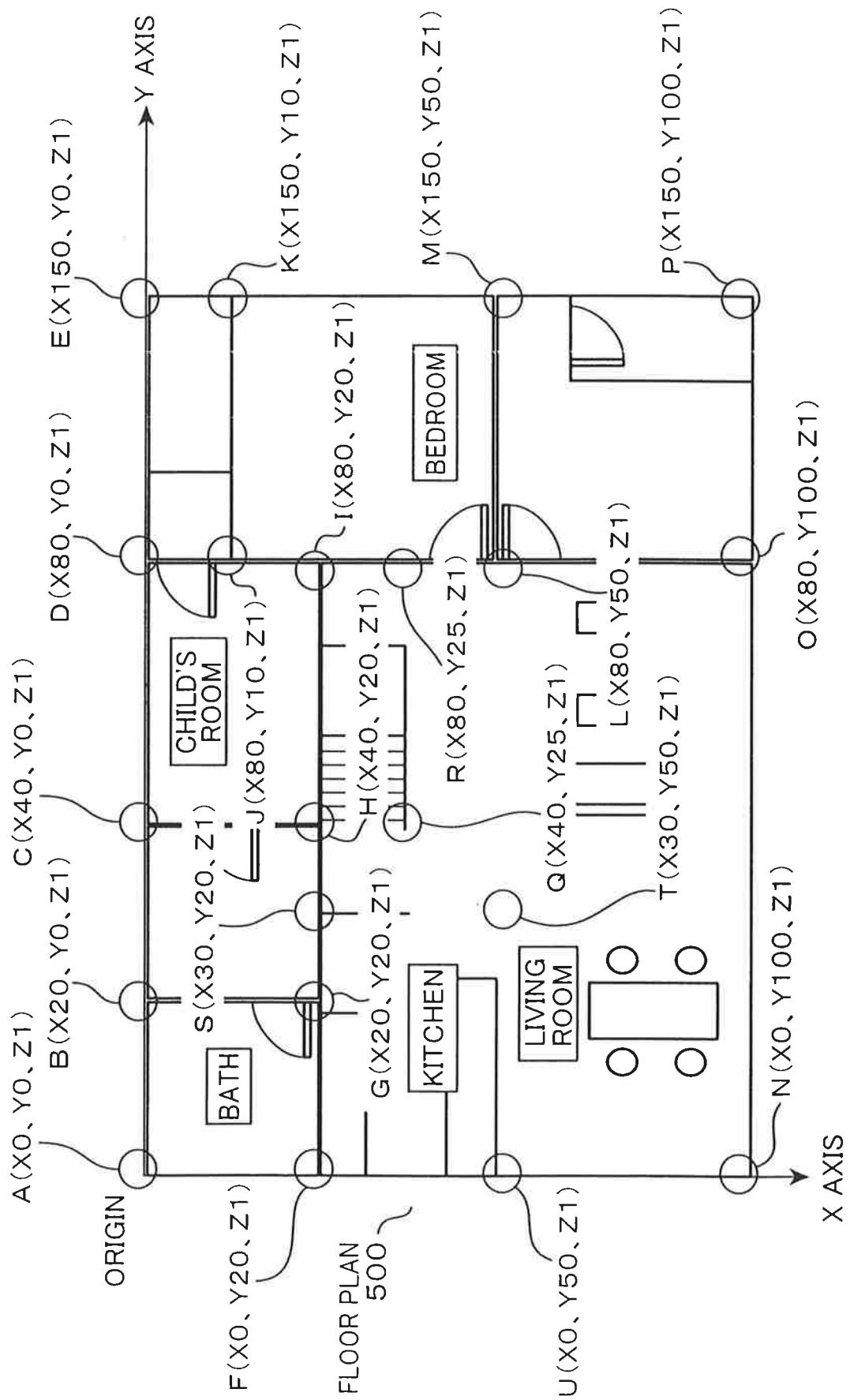


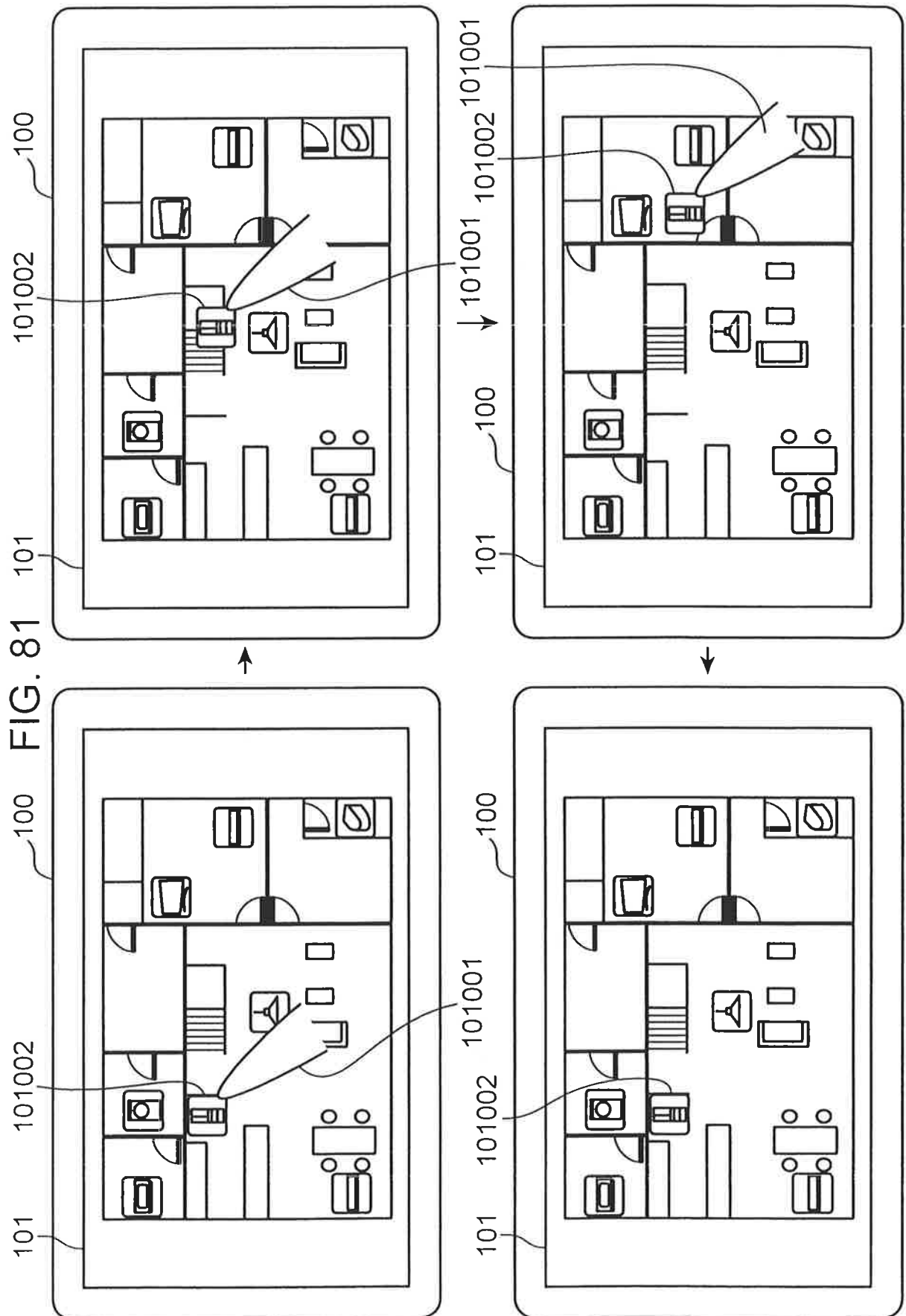
FIG. 80

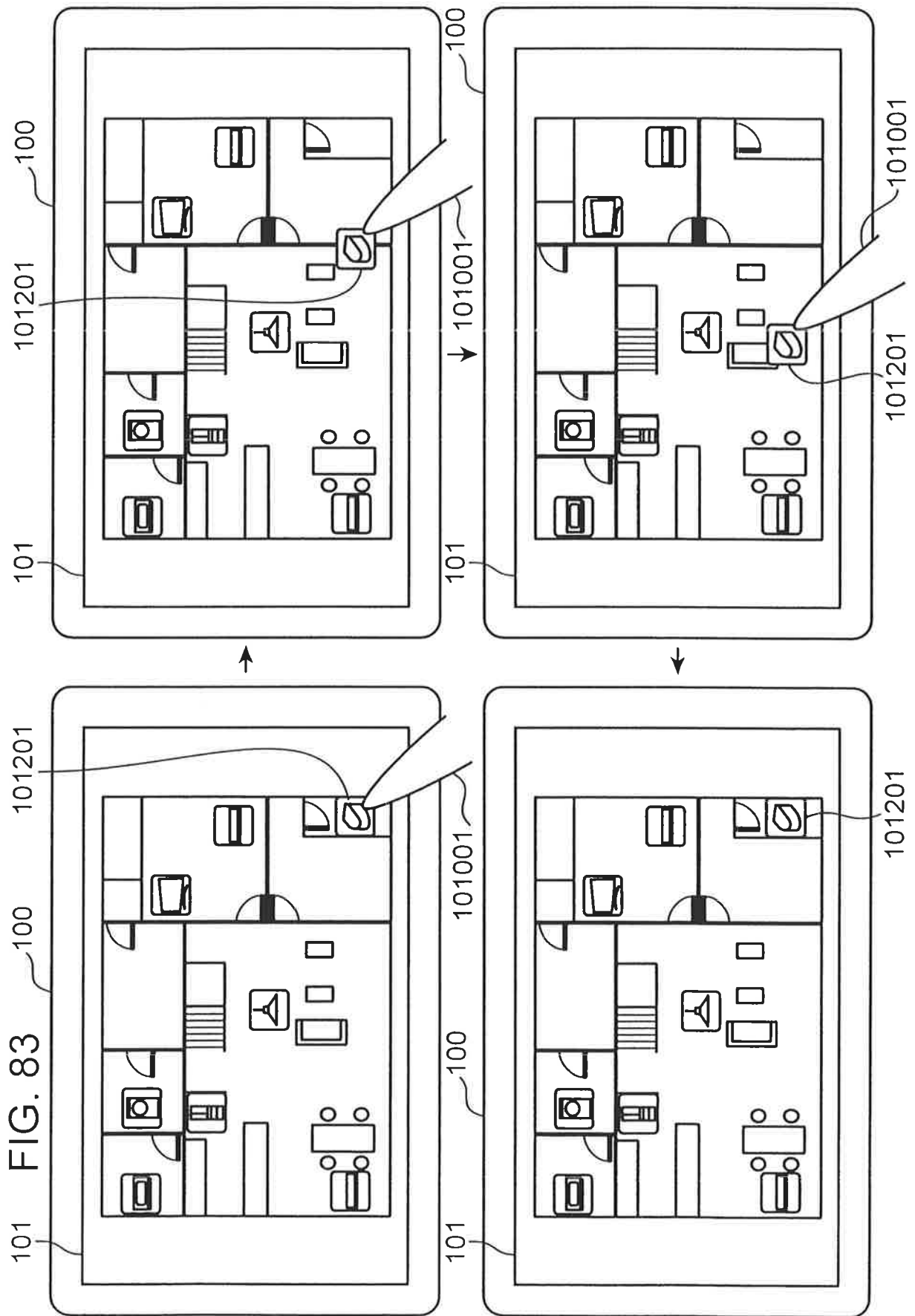
100900

100901

100902

DEVICE TYPE	ROOM TYPE
REFRIGERATOR	KITCHEN
TOILET DEVICE	LAVATORY
WATER HEATER	BATH
AIR CONDITIONER	LIVING ROOM
AIR CONDITIONER	BEDROOM
TELEVISION SET	LIVING ROOM
TELEVISION SET	CHILD'S ROOM
TELEVISION SET	BEDROOM
...	...





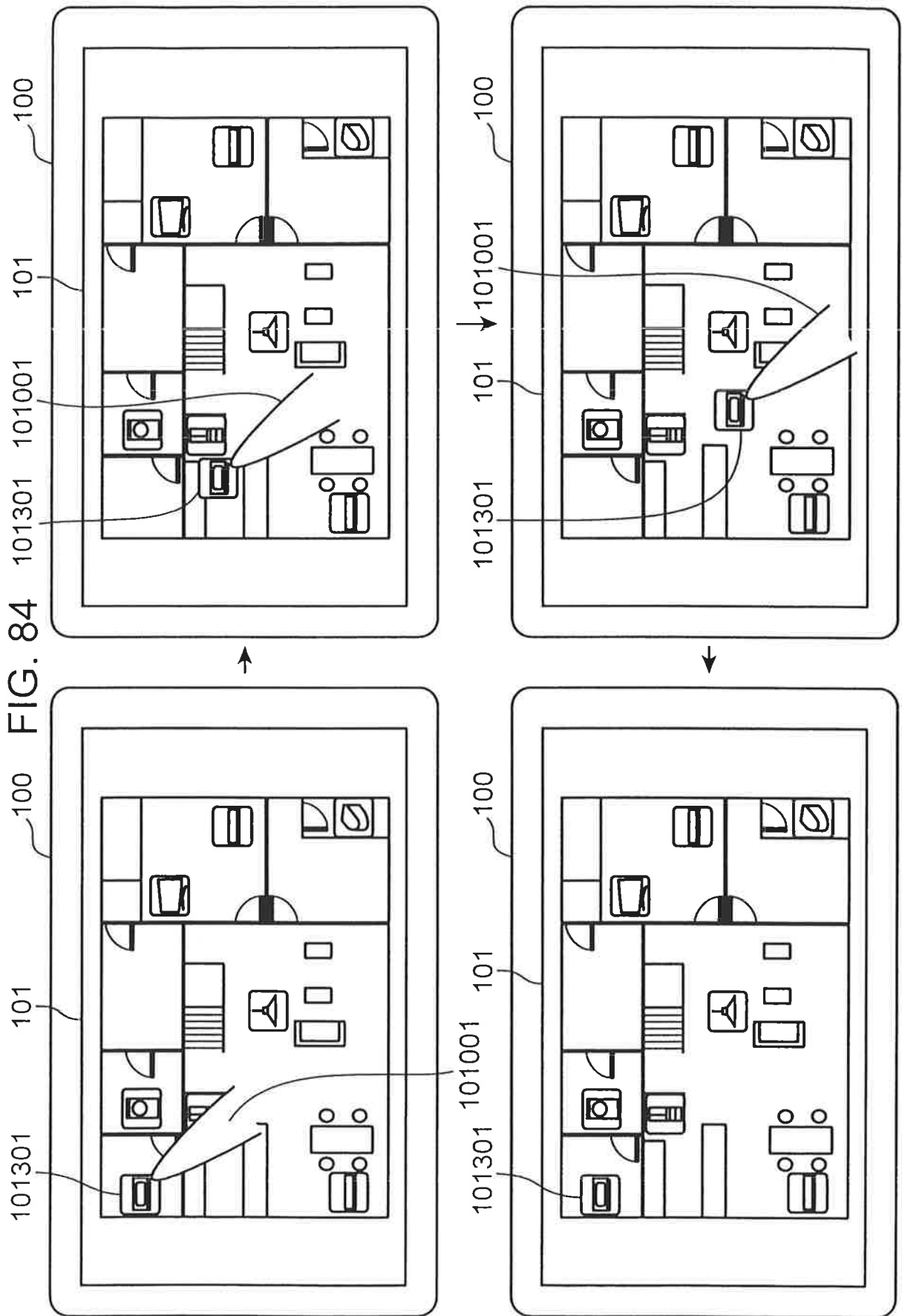
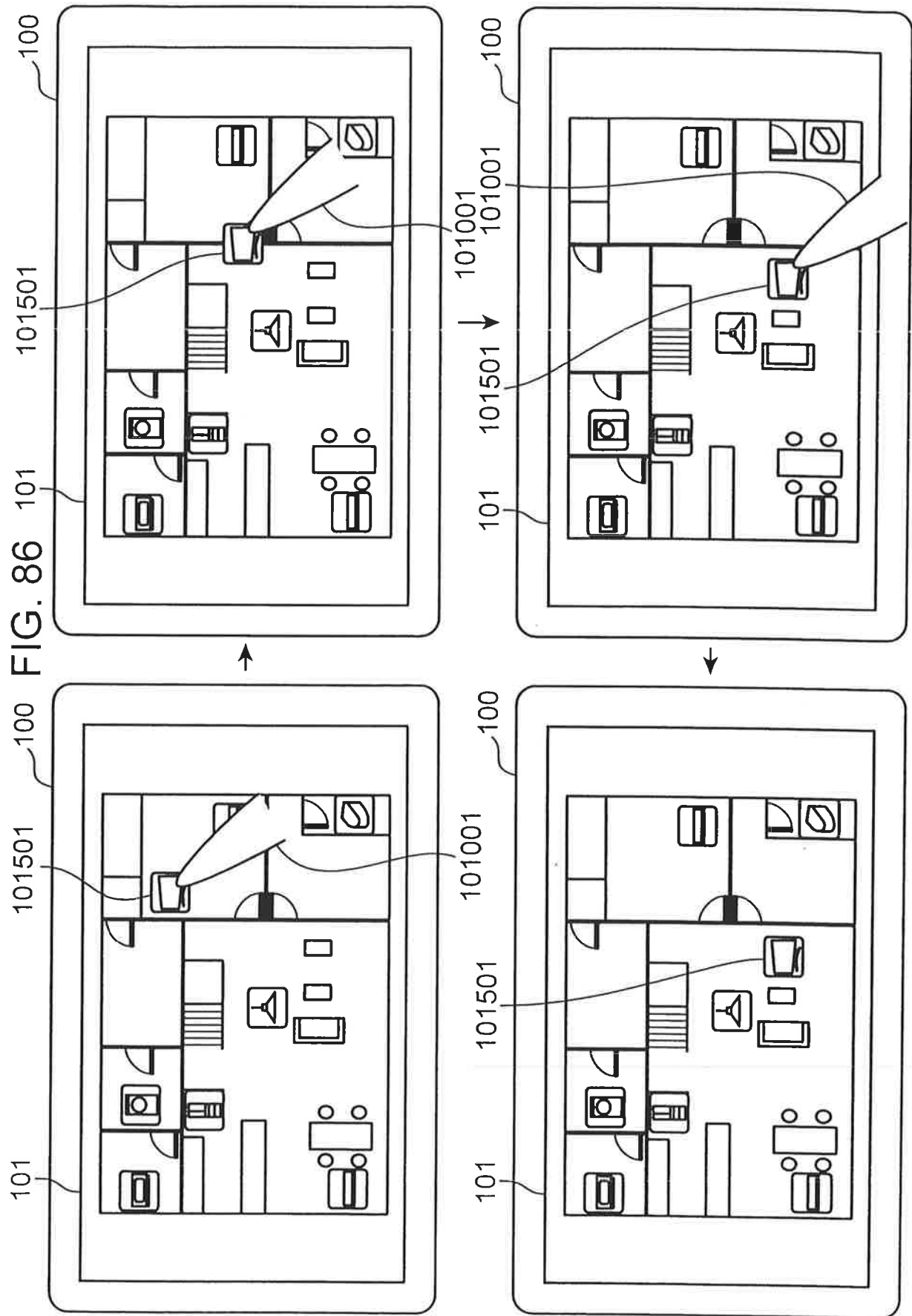


FIG. 85

100501	100502	100503	100504
DEVICE ID	DEVICE TYPE	MOVEMENT DESTINATION	RETENTION TIME INFORMATION
T	TELEVISION SET	(X70, Y200, Z1)	0



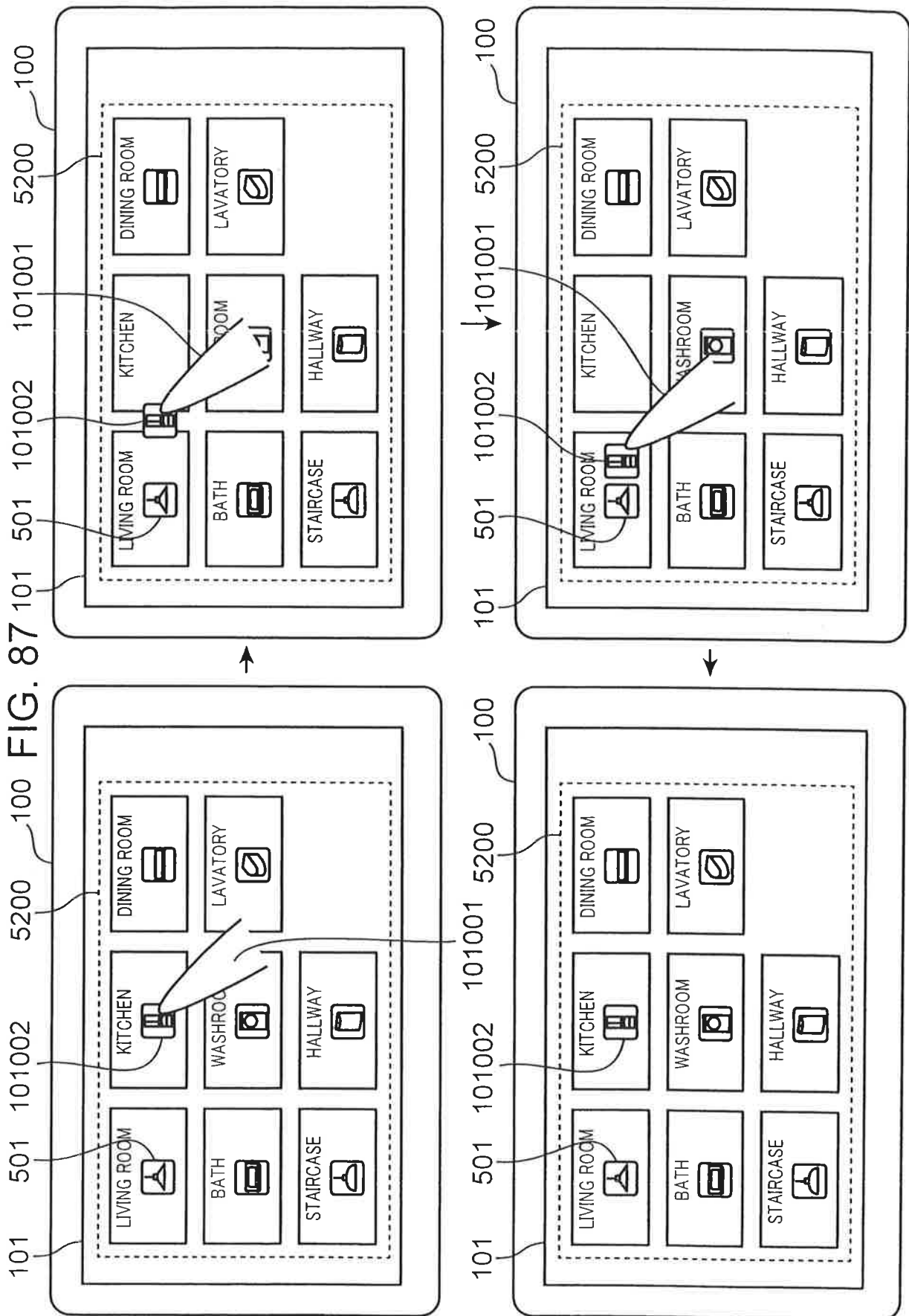


FIG. 88

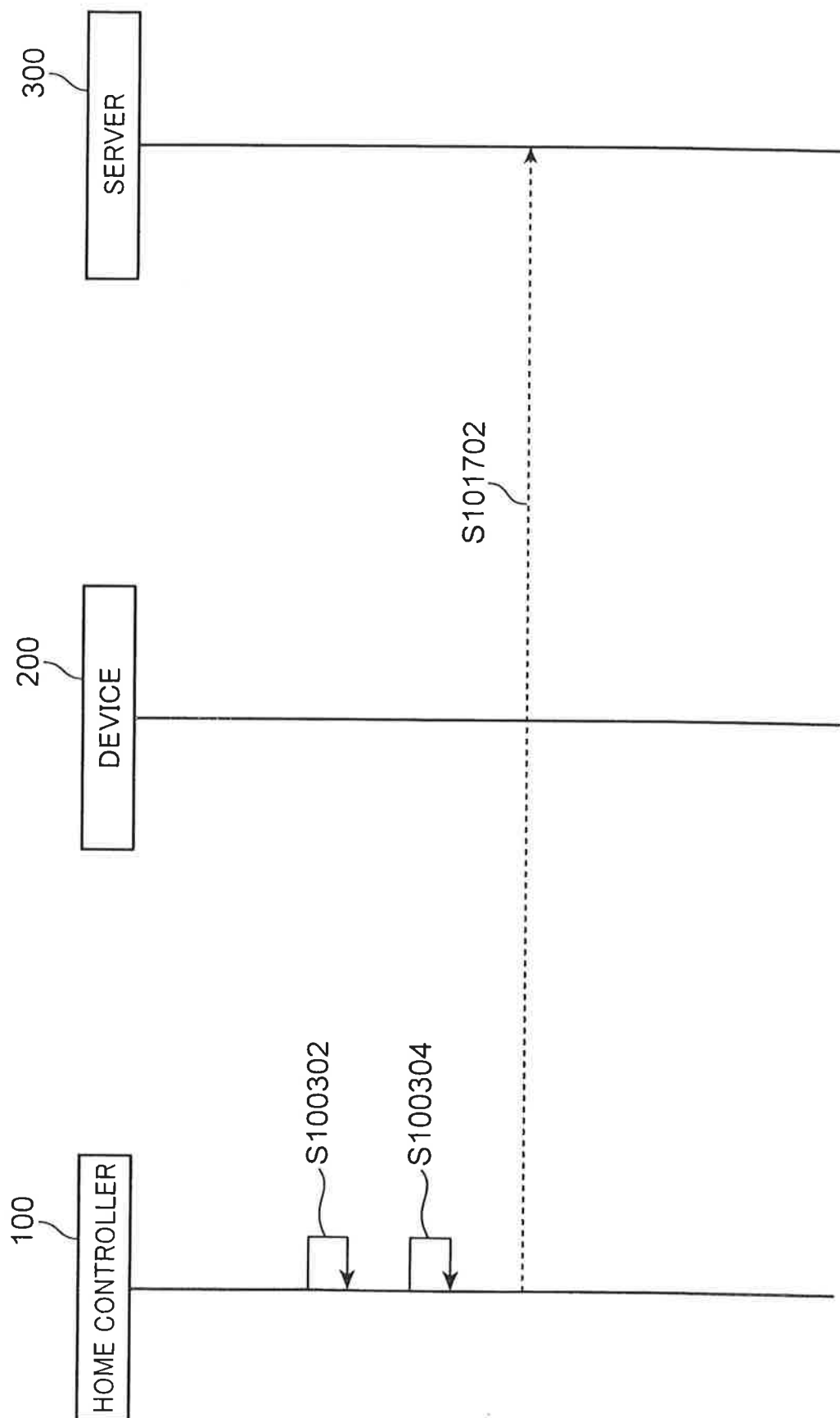
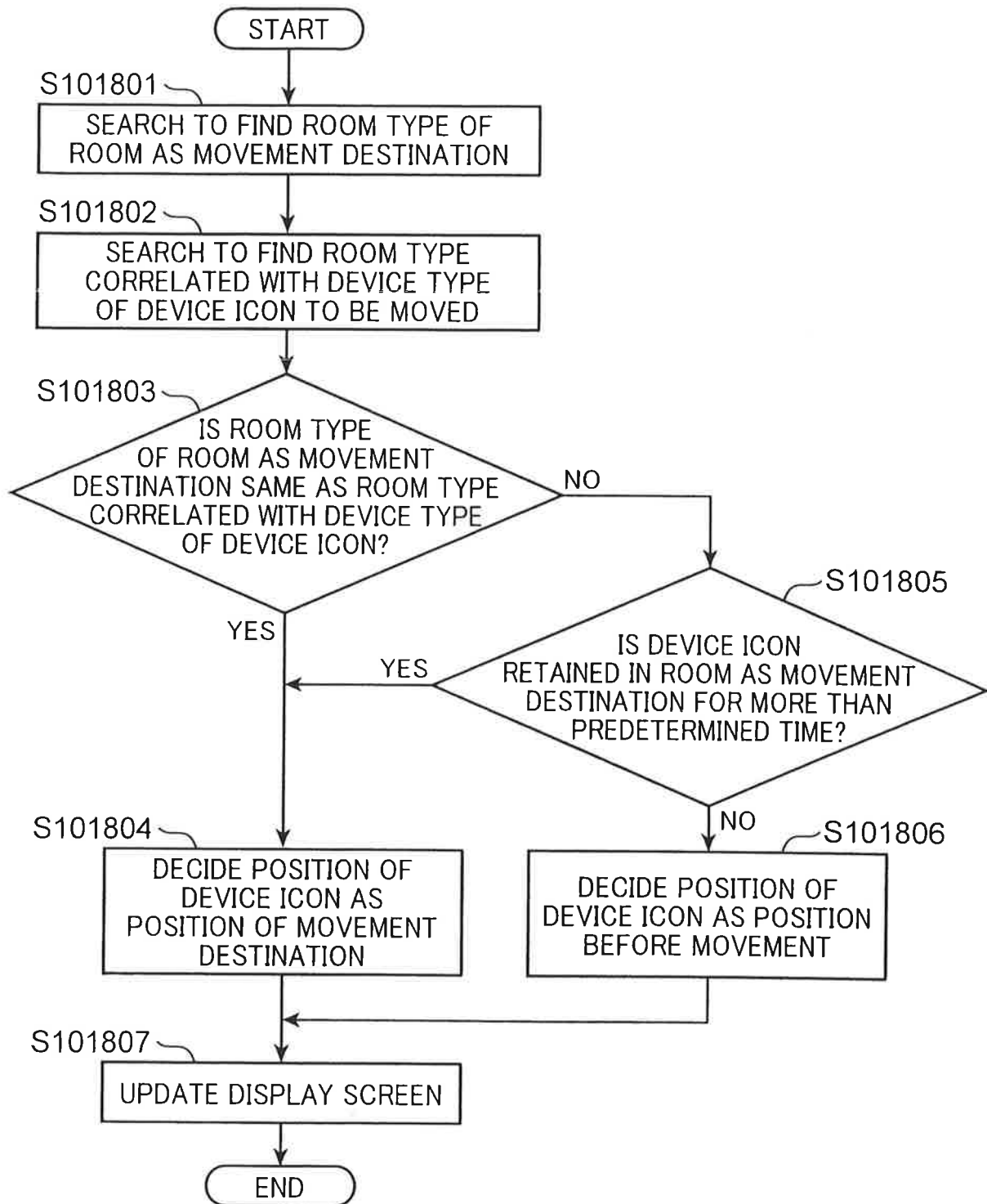


FIG. 89



101901

101911	101912
DEVICE ID	DEVICE TYPE NAME
R	REFRIGERATOR
B	TOILET DEVICE
A	AIR CONDITIONER
T	TELEVISION SET
...	...

FIG. 90A

101902

101913	101914
ROOM ID	ROOM TYPE NAME
K	KITCHEN
T	LAVATORY
L	LIVING ROOM
S	BEDROOM
C	CHILD'S ROOM
...	...

FIG. 90B

101903

101915	101916
DEVICE ID	ROOM ID
R	K
B	T
A	L
A	S
T	L
T	C
T	S
...	...

FIG. 90C