

FIG. 1
100

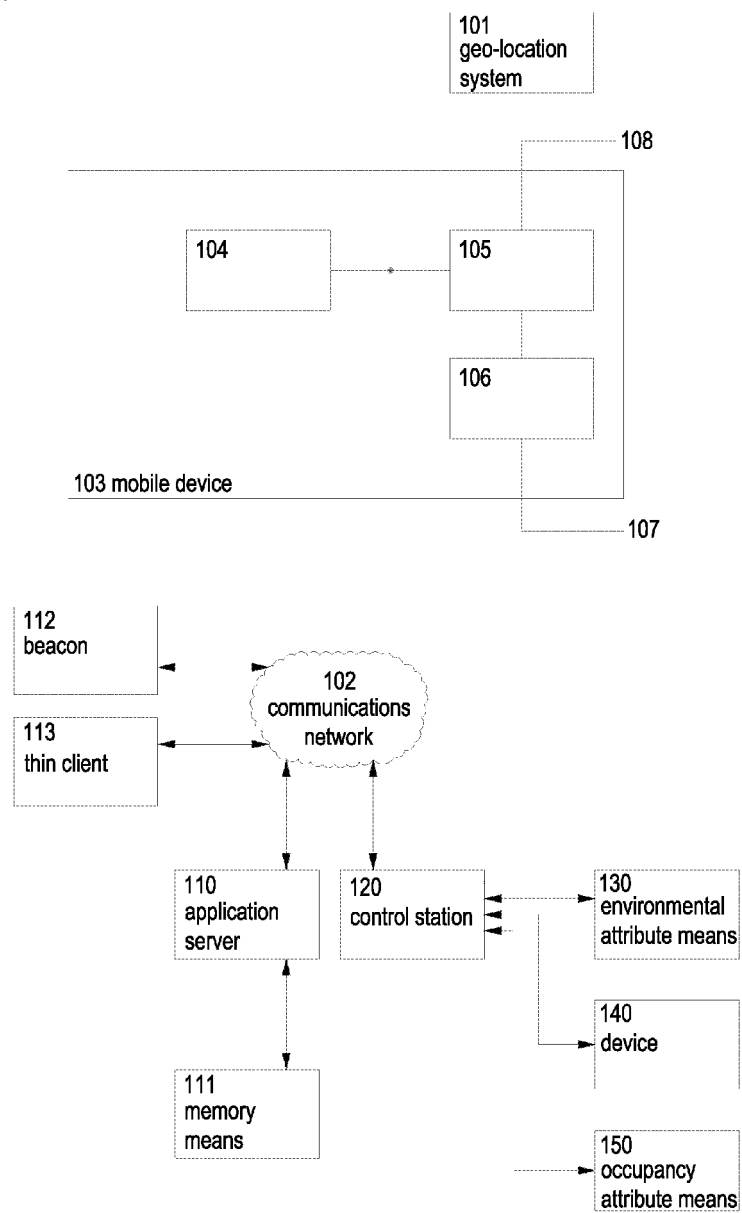


FIG. 2A

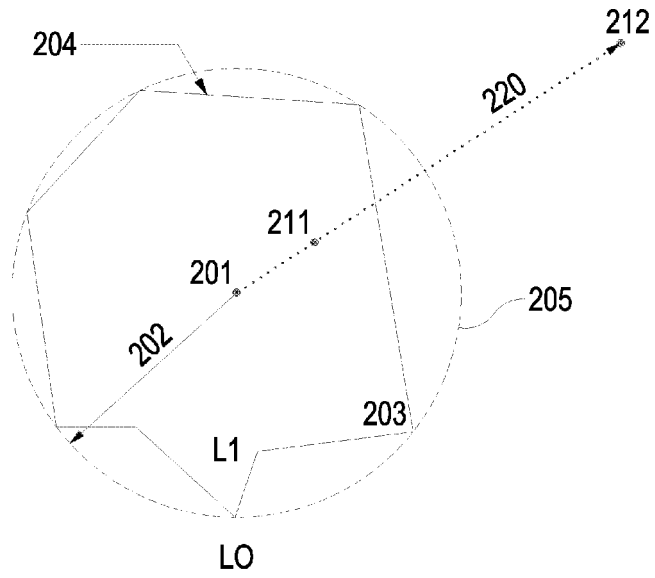


FIG. 2B

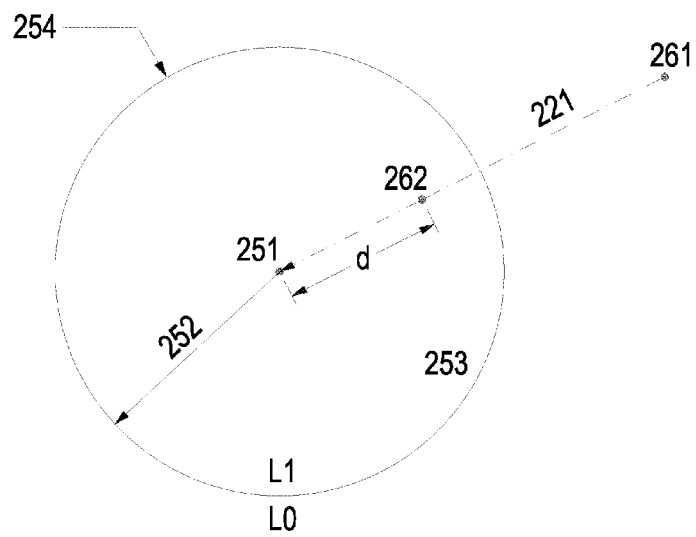


FIG. 3

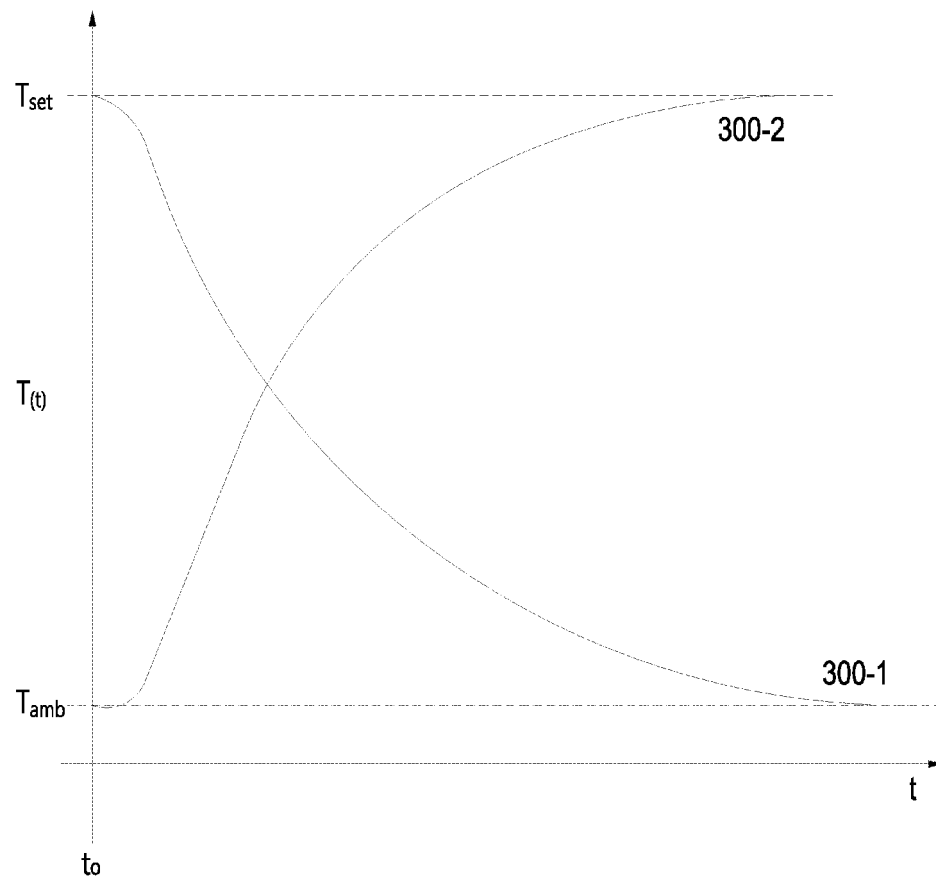


FIG. 4

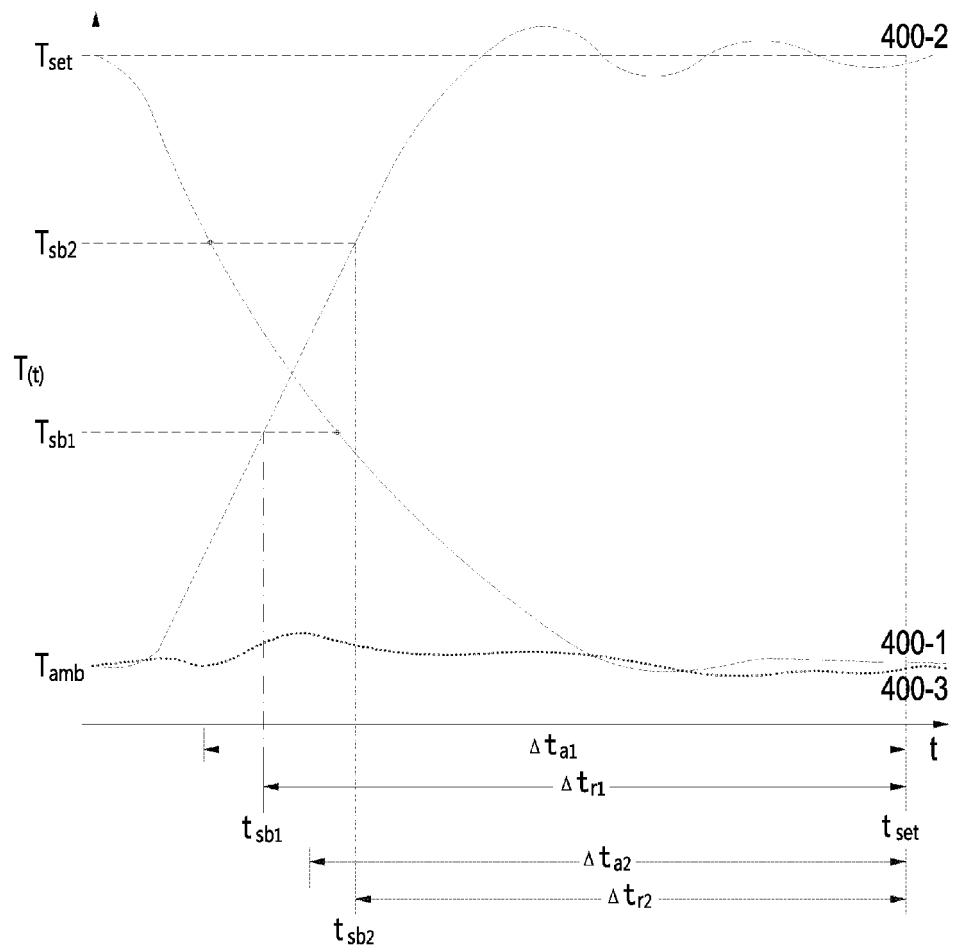


FIG. 5
500

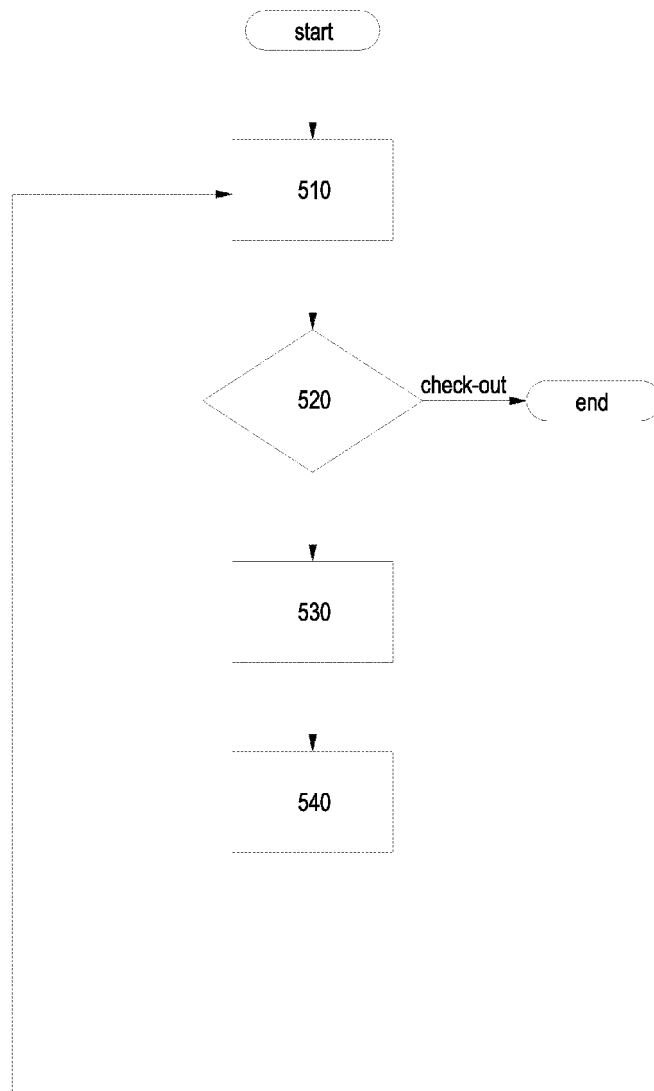


FIG. 6A

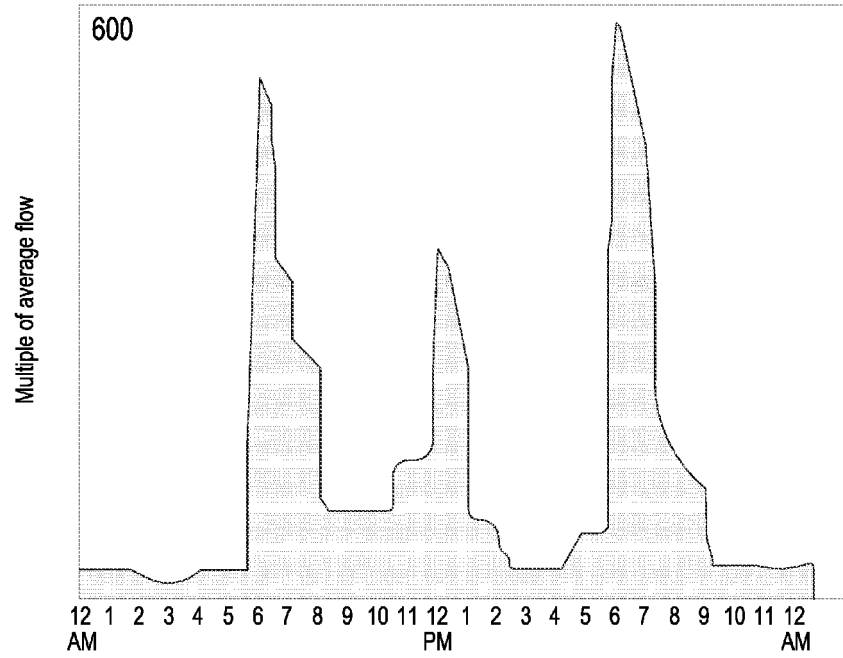


FIG. 6B

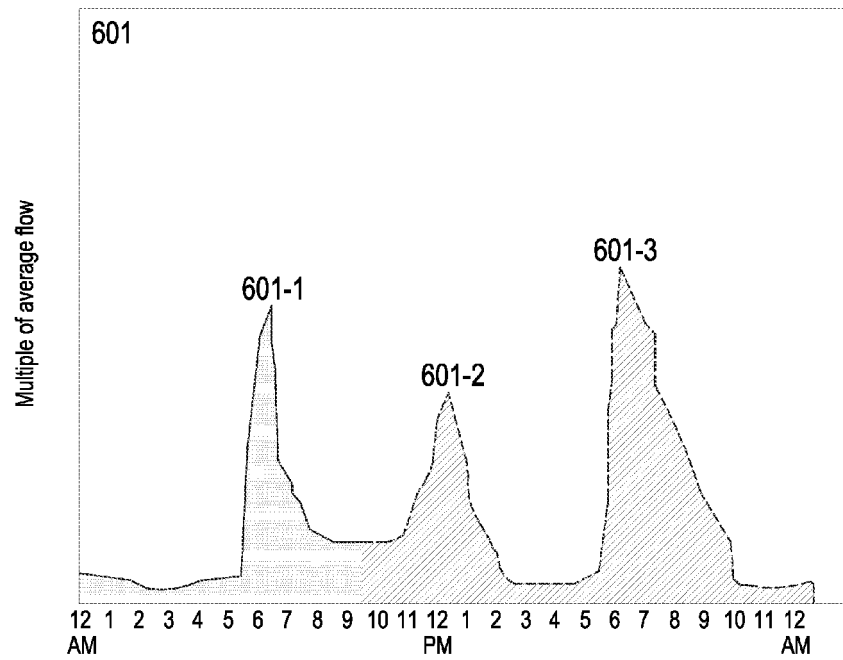


FIG. 7A
700

701

09:30 a.m.

	501	502	503	504	505
LEVEL 5	● tenant in room	$\Delta t_a = 20 \text{ min}$	$\Delta t_a = 20 \text{ min}$	● tenant in room	✓ room cleaned
	401	402	403	404	405
LEVEL 4	$\Delta t_a = 20 \text{ min}$	$\Delta t_a = 20 \text{ min}$	$\Delta t_a = 20 \text{ min} +$	$\Delta t_a = 20 \text{ min} +$	$\Delta t_a = 20 \text{ min} +$
	301	302	303	304	305
LEVEL 3	✓ room cleaned	✓ room cleaned	$\Delta t_a = 20 \text{ min}$	● tenant in room	not rented
	201	202	203	204	205
LEVEL 2	● tenant in room	not rented	not rented	$\Delta t_a = 20 \text{ min}$	not rented
	101	102	103	104	105
LEVEL 1	not rented	not rented	not rented	$\Delta t_a = 20 \text{ min}$	✓ room cleaned

702

not rented

$\Delta t_a = 20 \text{ min} +$ (tenant outside 20 minutes geo-fence)

$\Delta t_a = 20 \text{ min}$ (tenant within 20 minutes from hotel)

✓ room cleaned

● tenant in room

FIG. 7B
750

