

FIG. 1

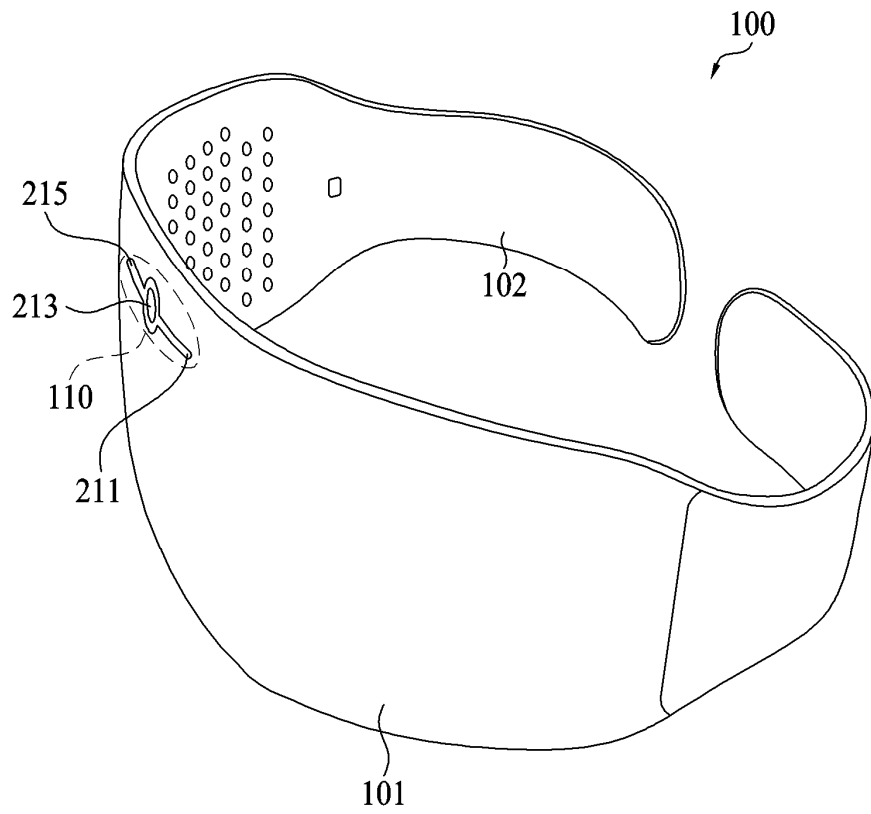


FIG. 2

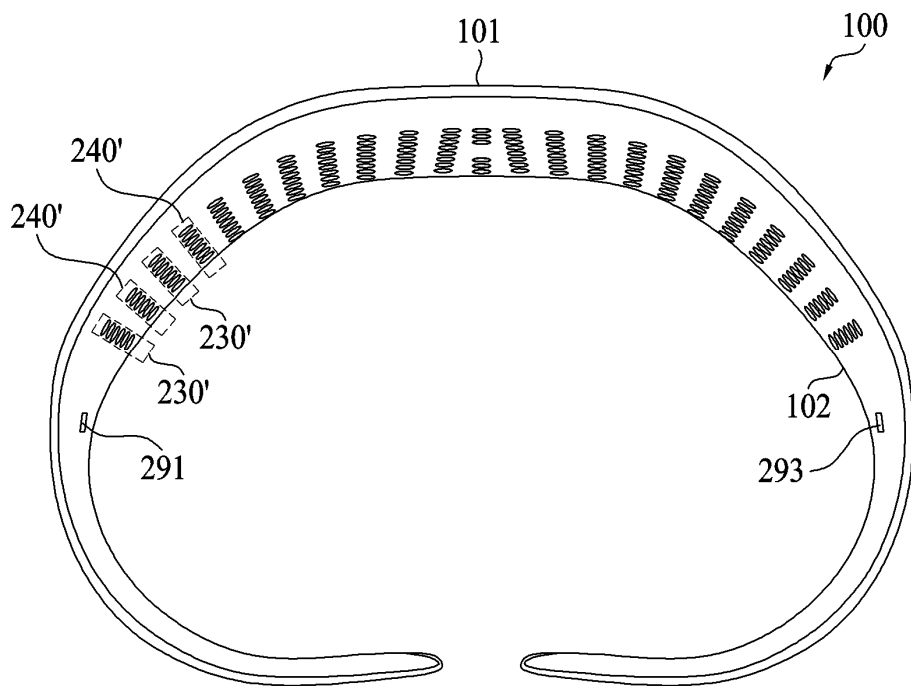


FIG. 3

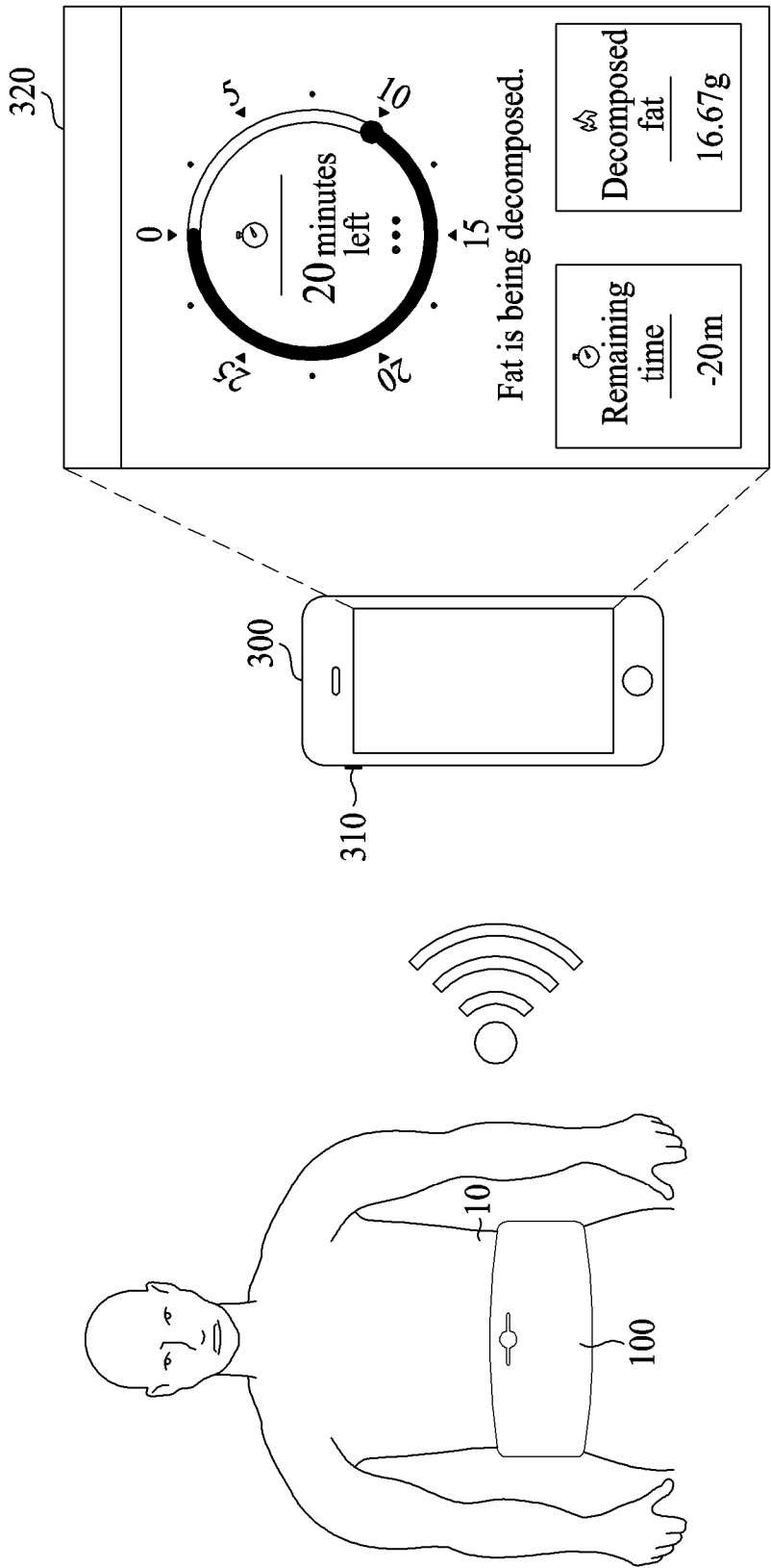


FIG. 4

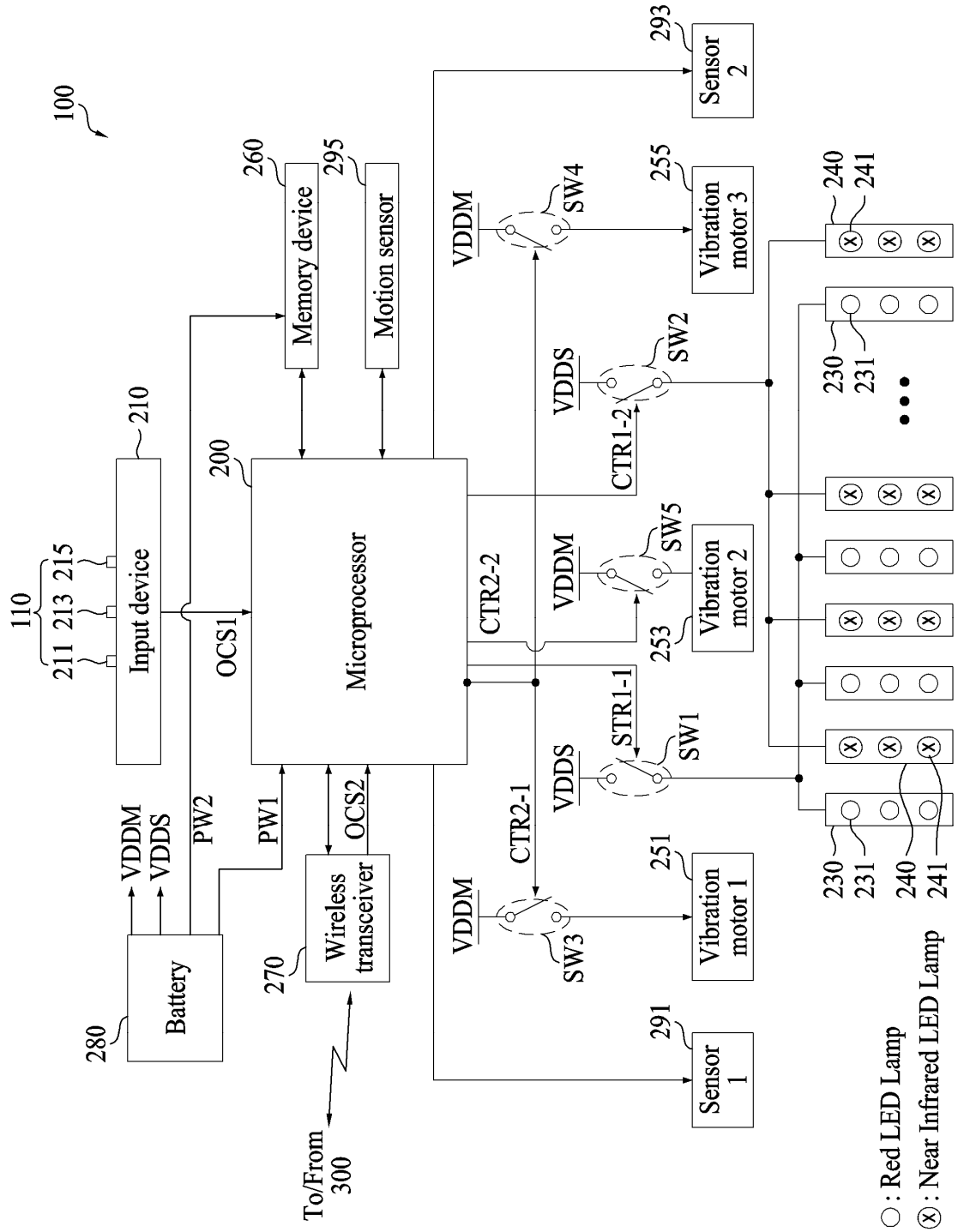


FIG. 5

Operation mode	First LED source	Second LED source	First vibration motor	Second vibration motor	Third vibration motor
MODE 1	O	X	X	X	X
MODE 2	X	O	X	X	X
MODE 3	O	O	X	X	X
MODE 4	O	X	O	X	O
MODE 5	X	O	O	X	O
MODE 6	O	O	O	X	O
MODE 7	O	O	O	O	O
MODE 8	X	X	O	X	O
MODE 9	X	X	O	O	O
⋮	⋮	⋮	⋮	⋮	⋮
MODEX	⋮	⋮	⋮	⋮	⋮

FIG. 6

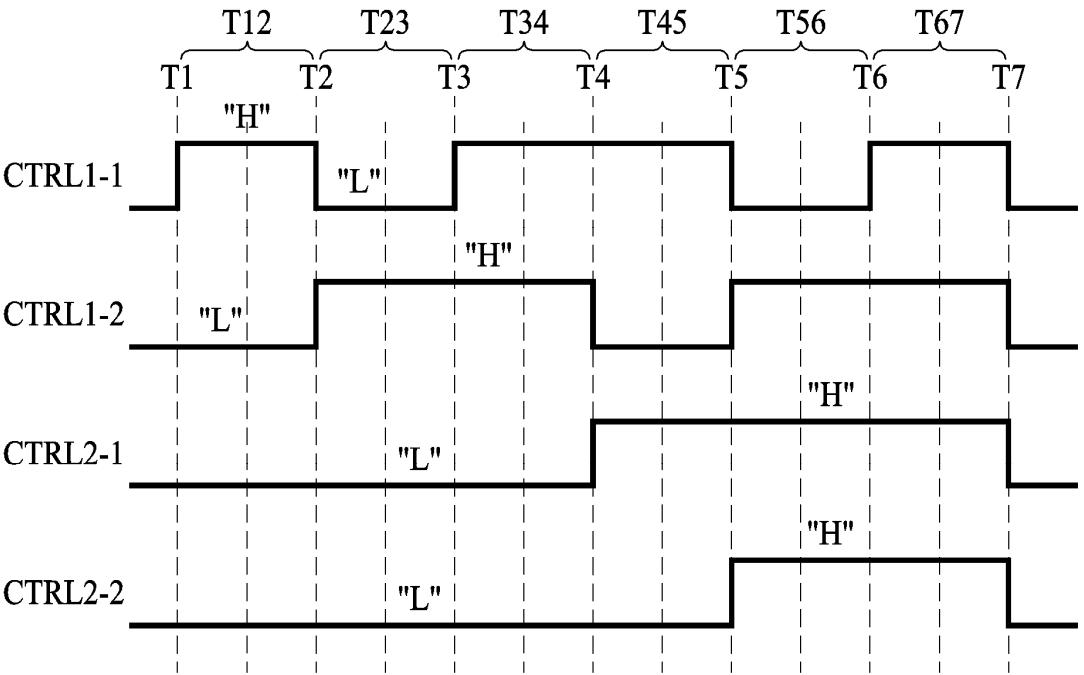


FIG. 7

L1-on-Time	$T12+T34+T45+T67 = TL1$
L2-on-Time	$T23+T34+T56+T67 = TL2$
M1-on-Time	$T45+T56+T67 = TM1$
M2-on-Time	$T56+T67 = TM2$
M3-on-Time	$T45+T56+T67 = TM3$

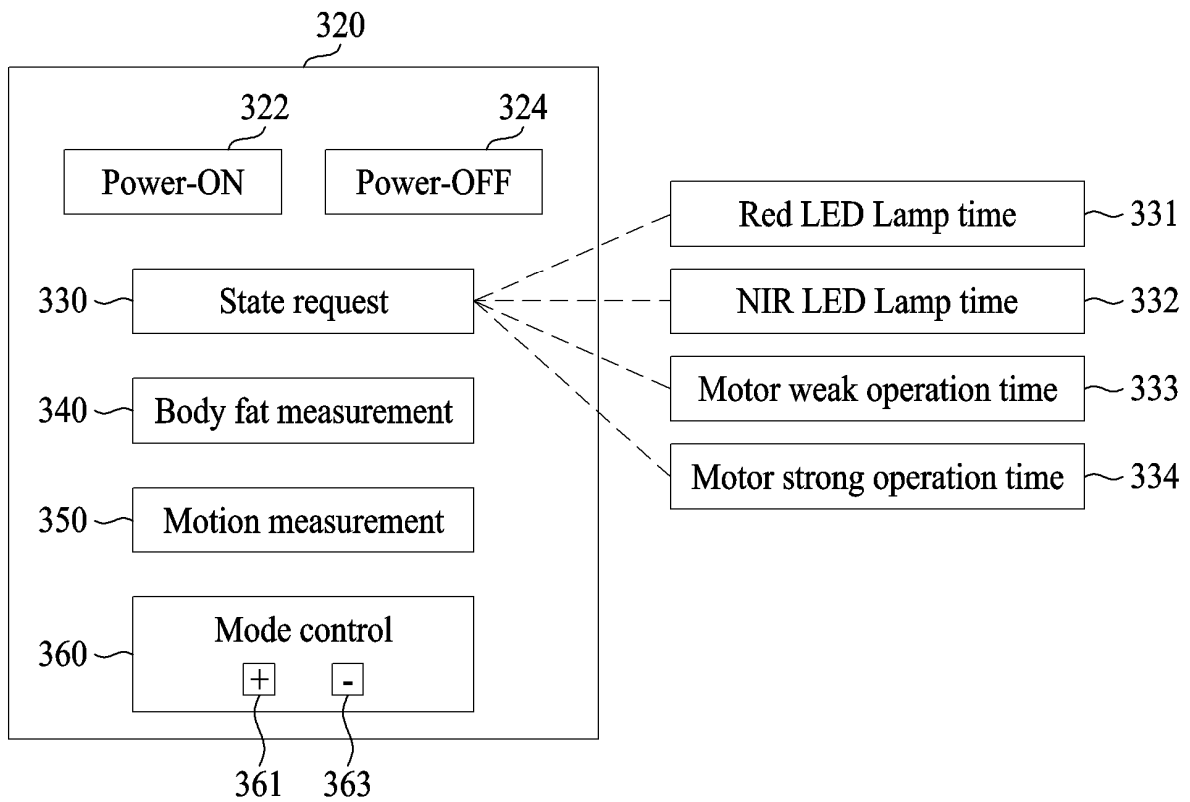
FIG. 8

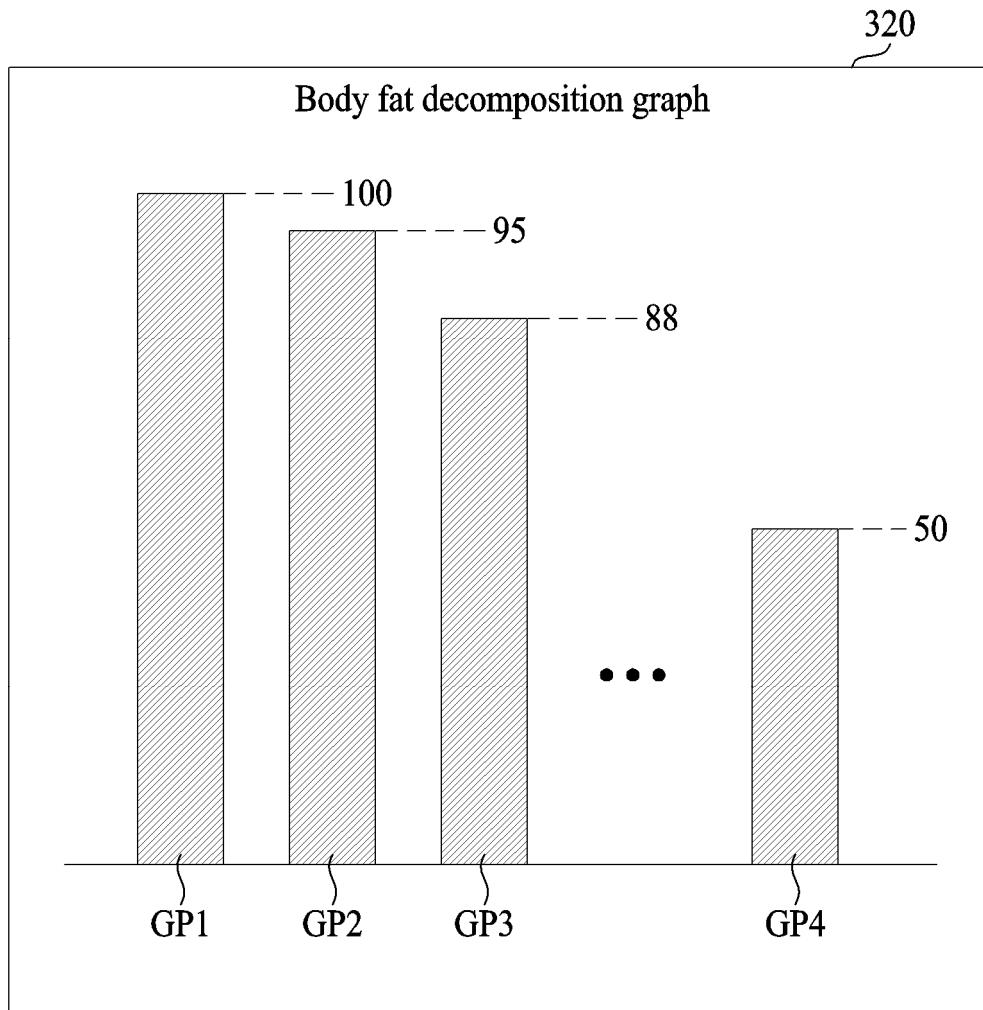
FIG. 9

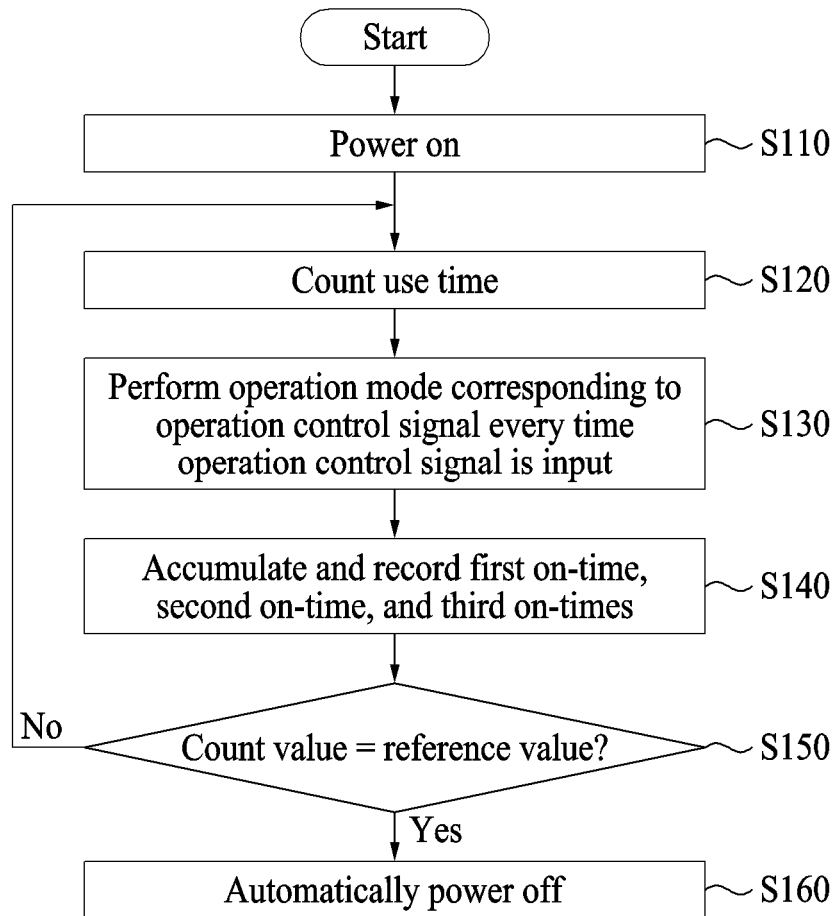
FIG. 10

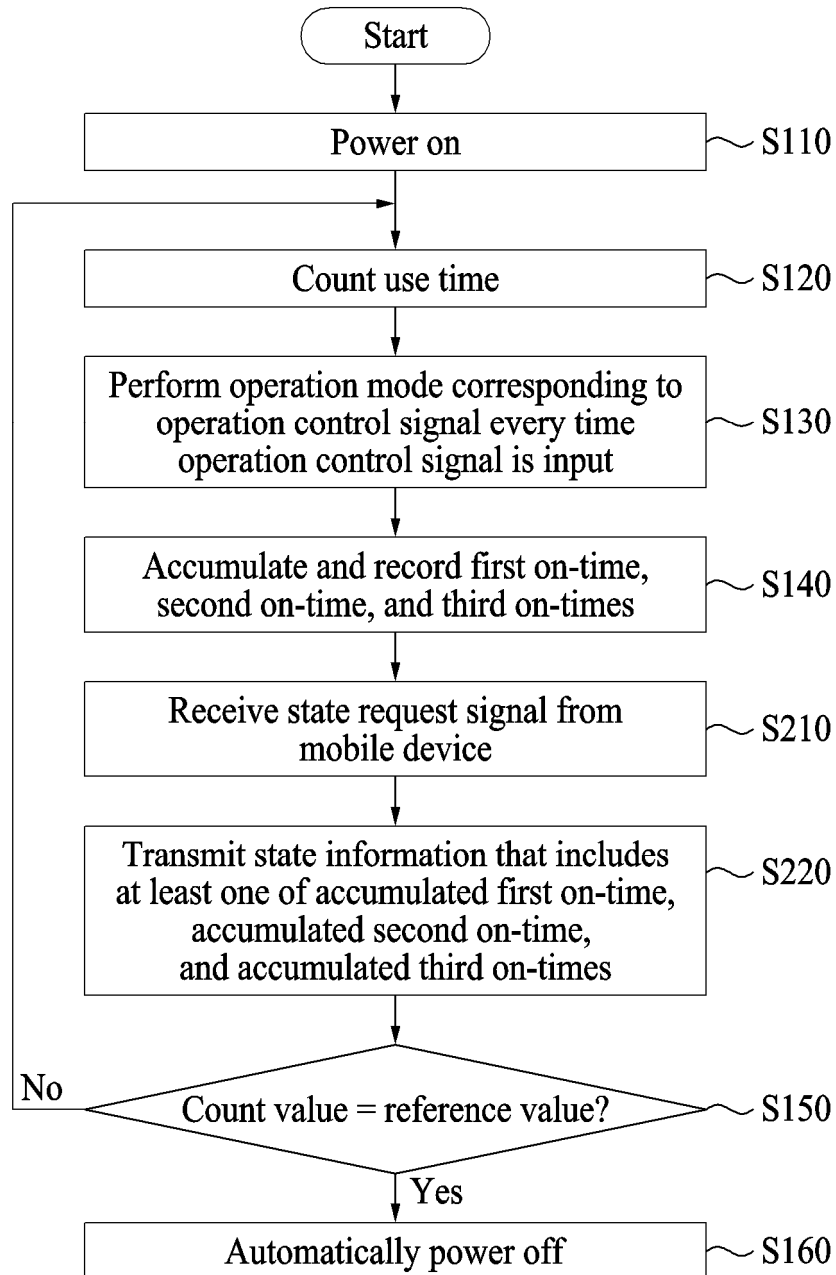
FIG. 11

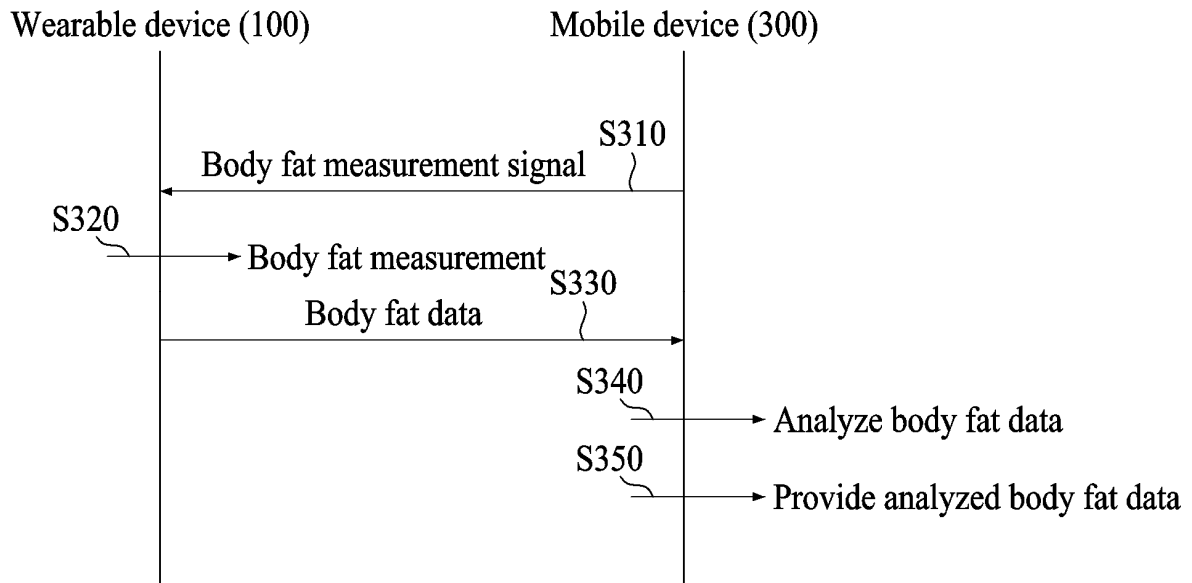
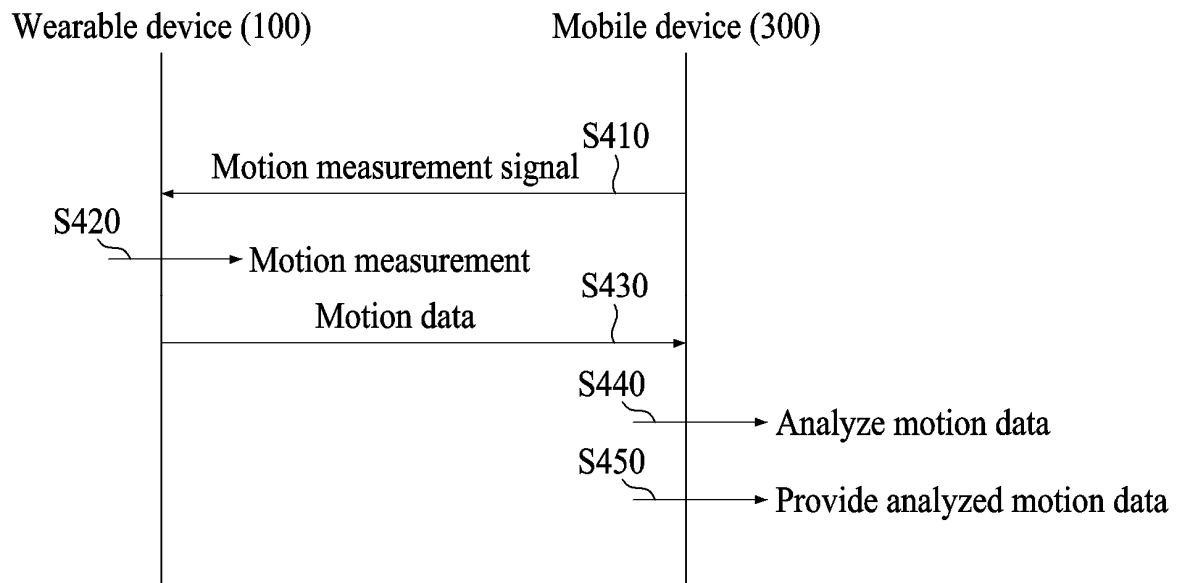
FIG. 12**FIG. 13**

FIG. 14

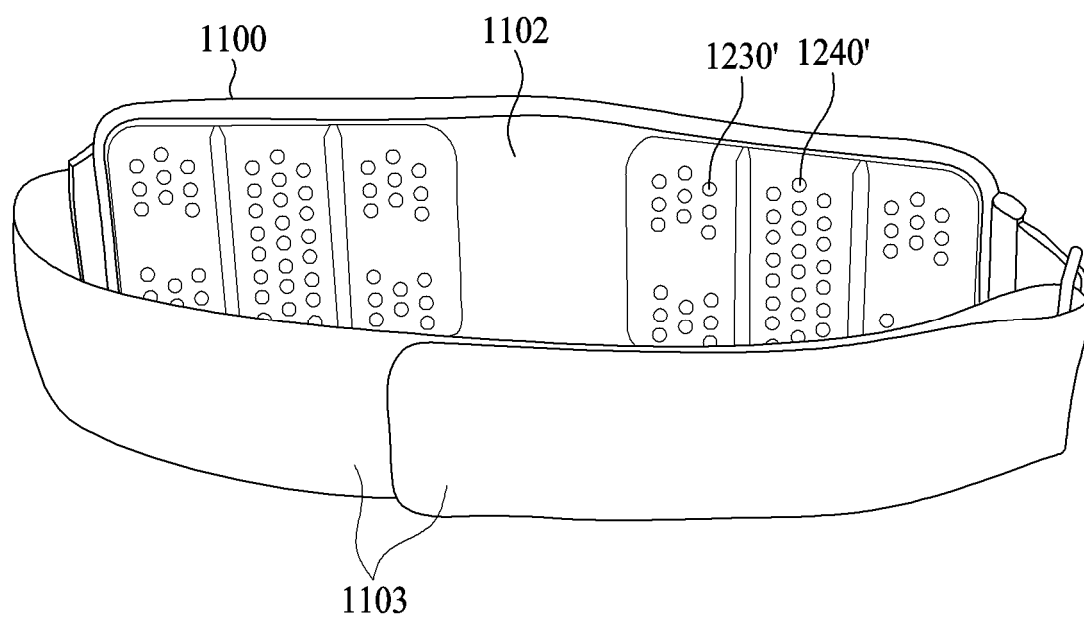


FIG. 15

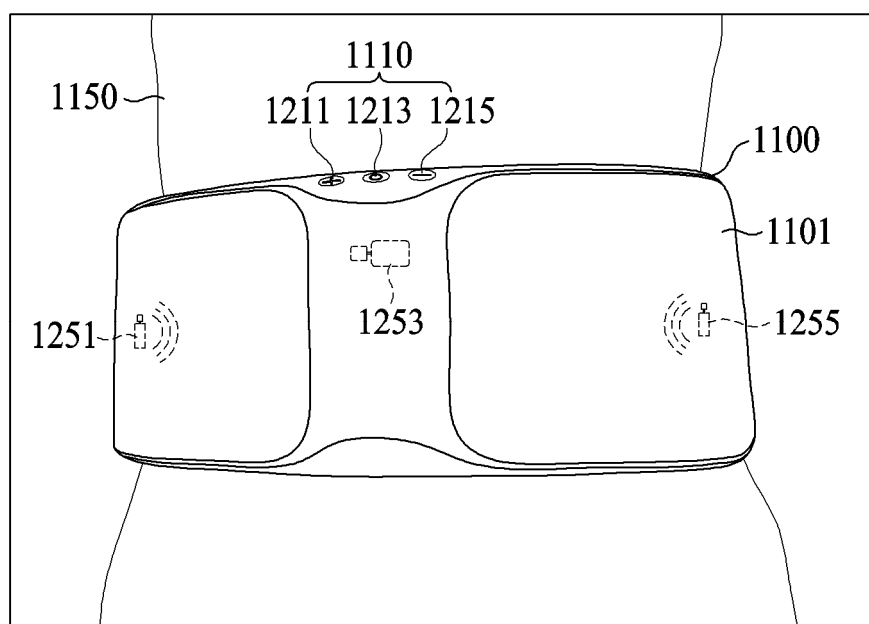


FIG. 16

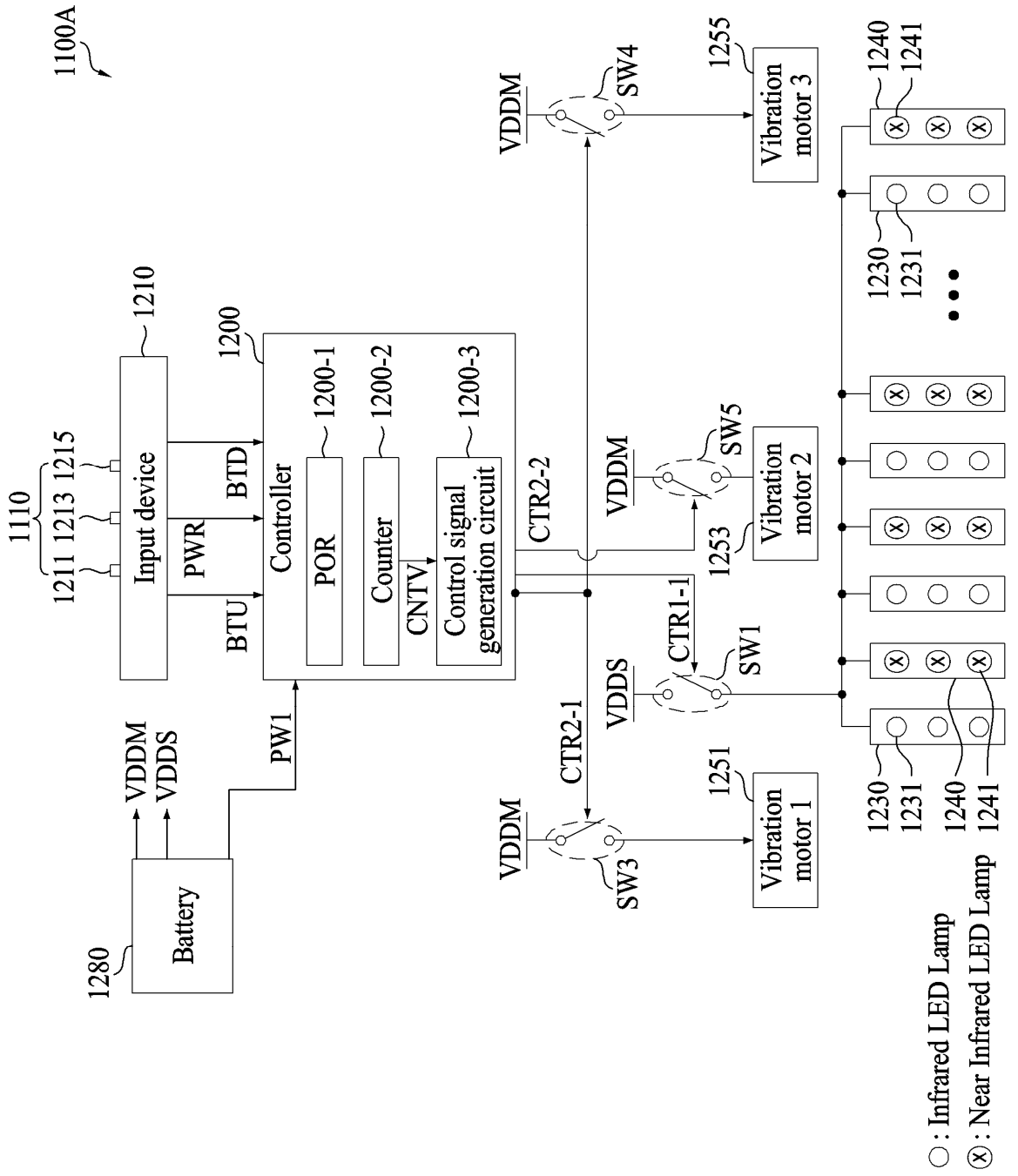
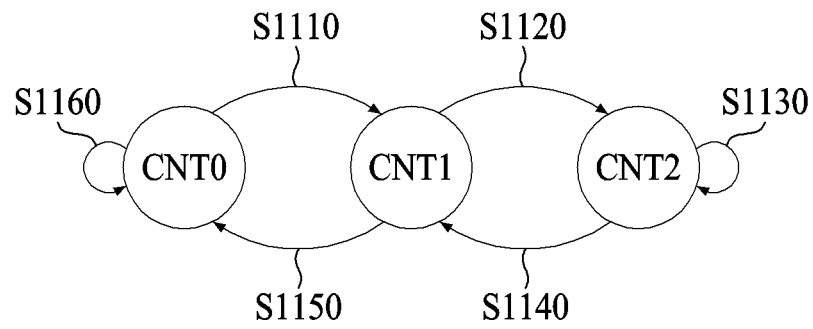


FIG. 17

CNTV	First LED source	Second LED source	First vibration motor and third vibration motor	Second vibration motor
CNT0	ON	ON	OFF	OFF
CNT1	ON	ON	ON	OFF
CNT2	ON	ON	ON	ON

FIG. 18

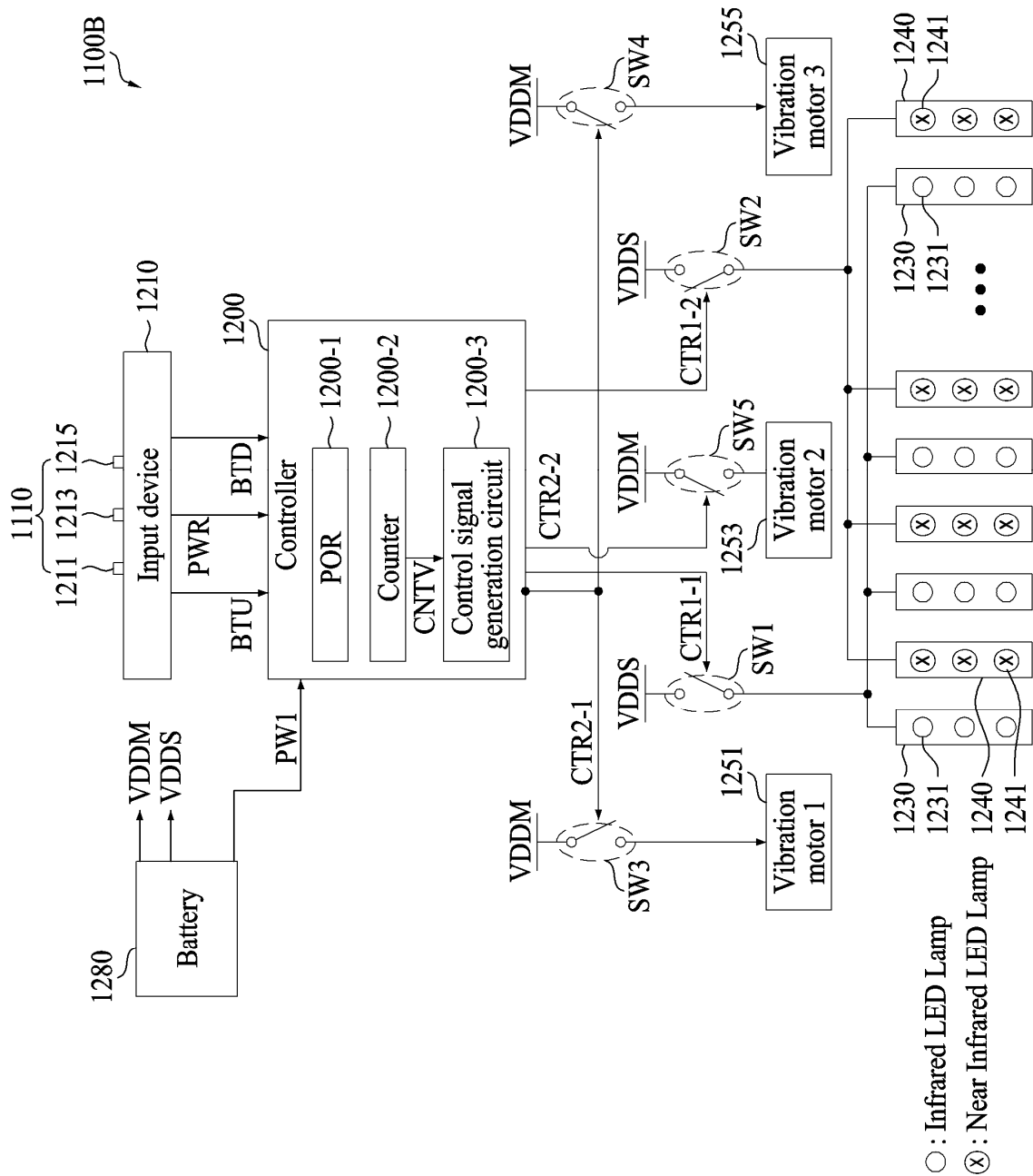
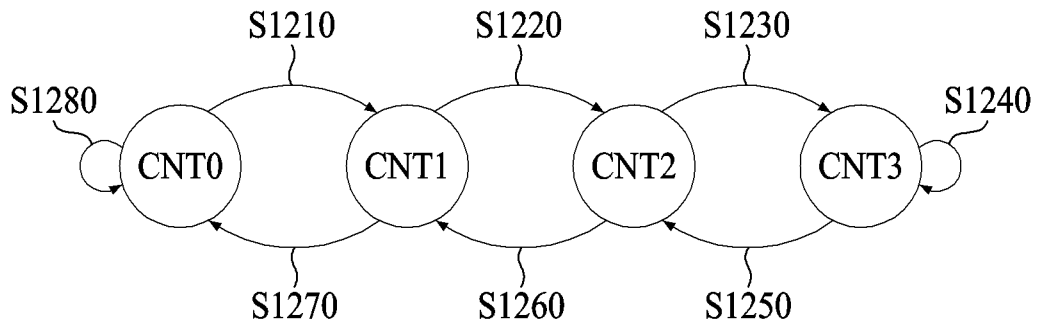


FIG. 19

CNTV	First LED source	Second LED source	First vibration motor and third vibration motor	Second vibration motor
CNT0	ON	OFF	OFF	OFF
CNT1	ON	ON	OFF	OFF
CNT2	ON	ON	ON	OFF
CNT3	ON	ON	ON	ON