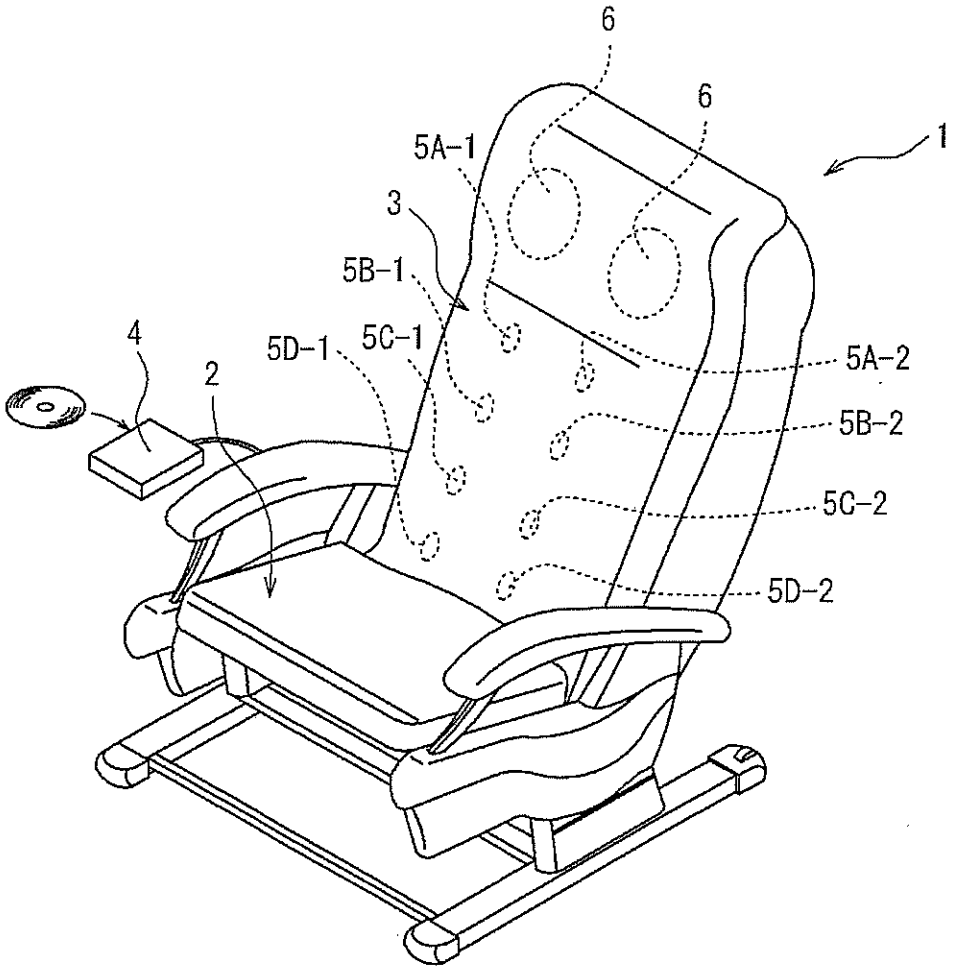



Figure 1

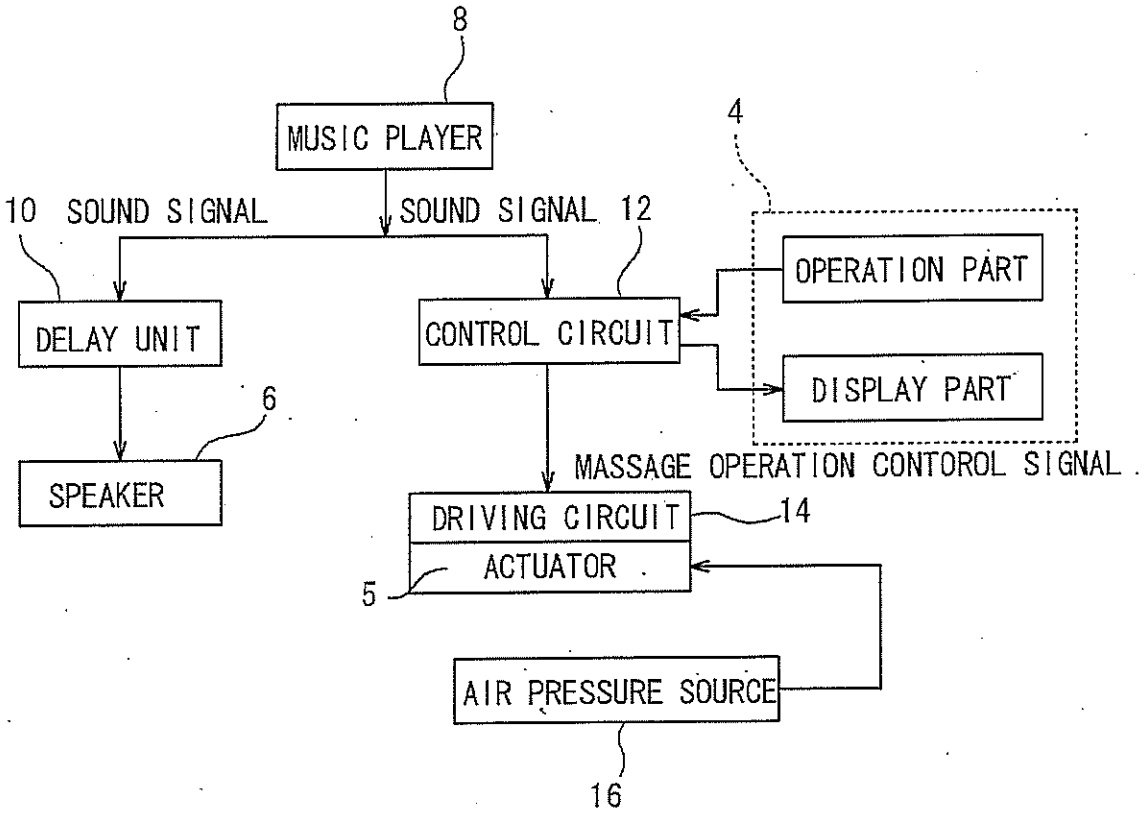

8
MUSIC PLAYER
4
10 SOUND SIGNAL
SOUND SIGNAL 12
OPERATION PART
DELAY UNIT
CONTROL CIRCUIT
DISPLAY PART
6
SPEAKER
MASSAGE OPERATION CONTOROL SIGNAL
DRIVING CIRCUIT
14
ACTUATOR
5
AIR PRESSURE SOURCE
16

Figure 2

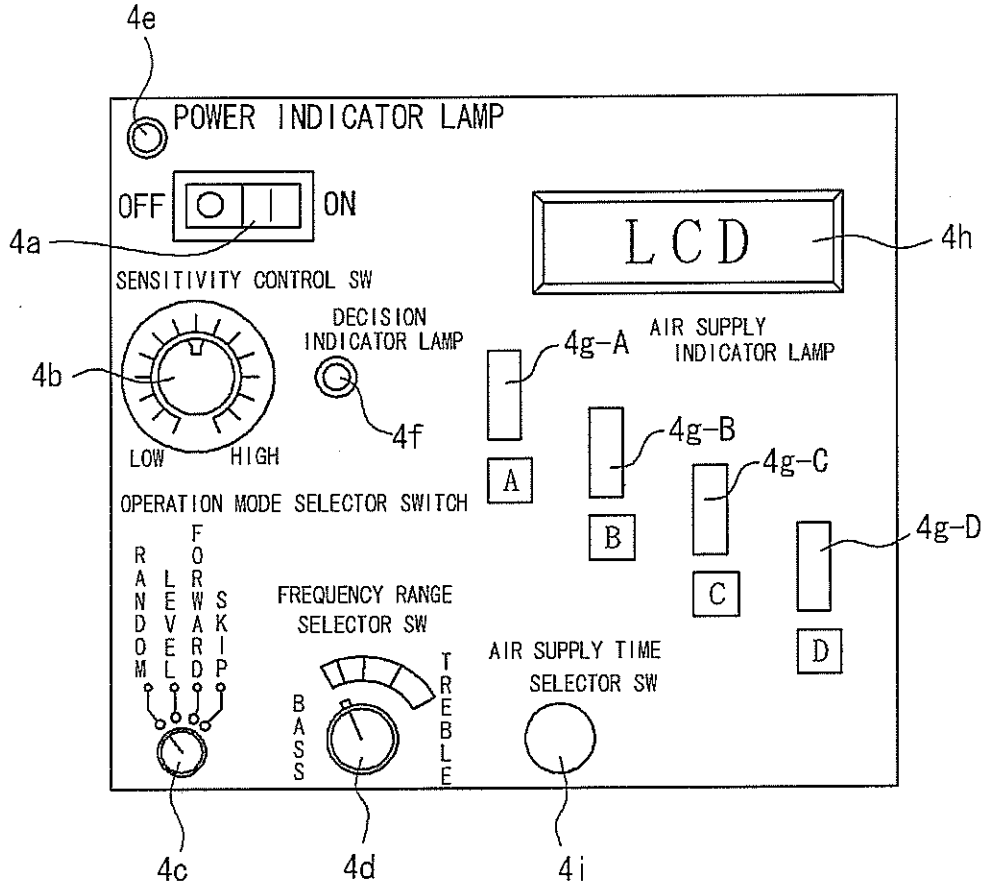

4e
POWER INDICATOR LAMP
OFF
ON
4a
LCD
4h
SENSITIVITY CONTROL SW
DECISION
INDICATOR LAMP
AIR SUPPLY
INDICATOR LAMP
4g-A
4b
4f
4g-B
4g-C
LOW
HIGH
A
B
C
D
4g-D
OPERATION MODE SELECTOR SWITCH
RANDOM
LEVEL
FORWARD
SKIP
FREQUENCY RANGE
SELECTOR SW
AIR SUPPLY TIME
SELECTOR SW
BASS
TREBLE
4c
4d
4i

Figure 3

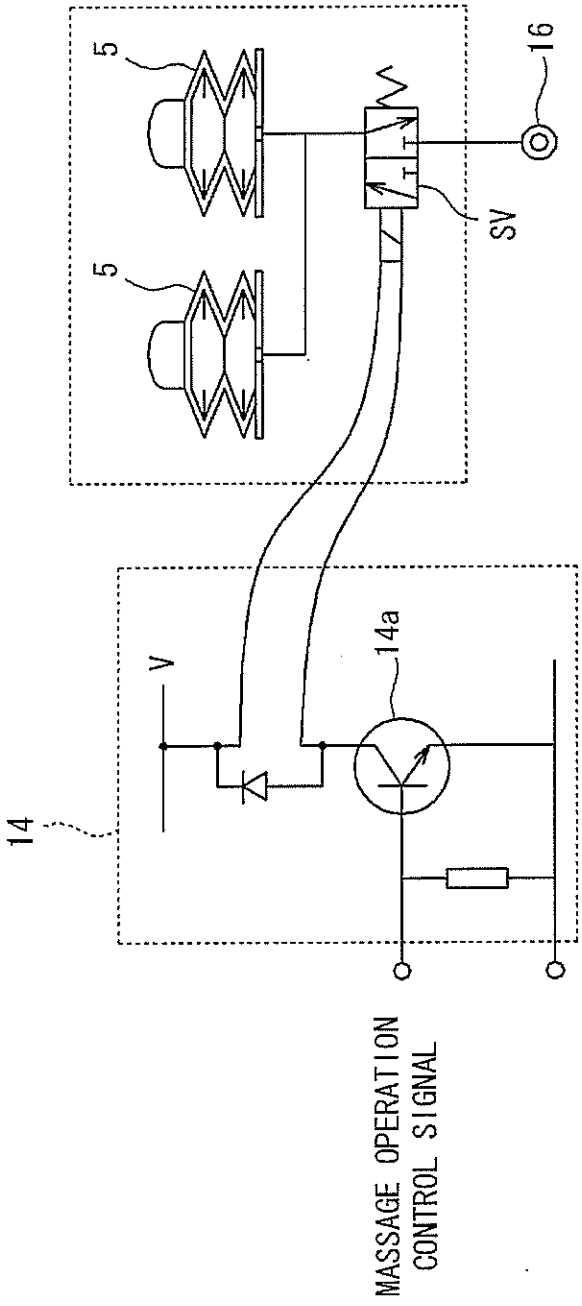



Figure 4

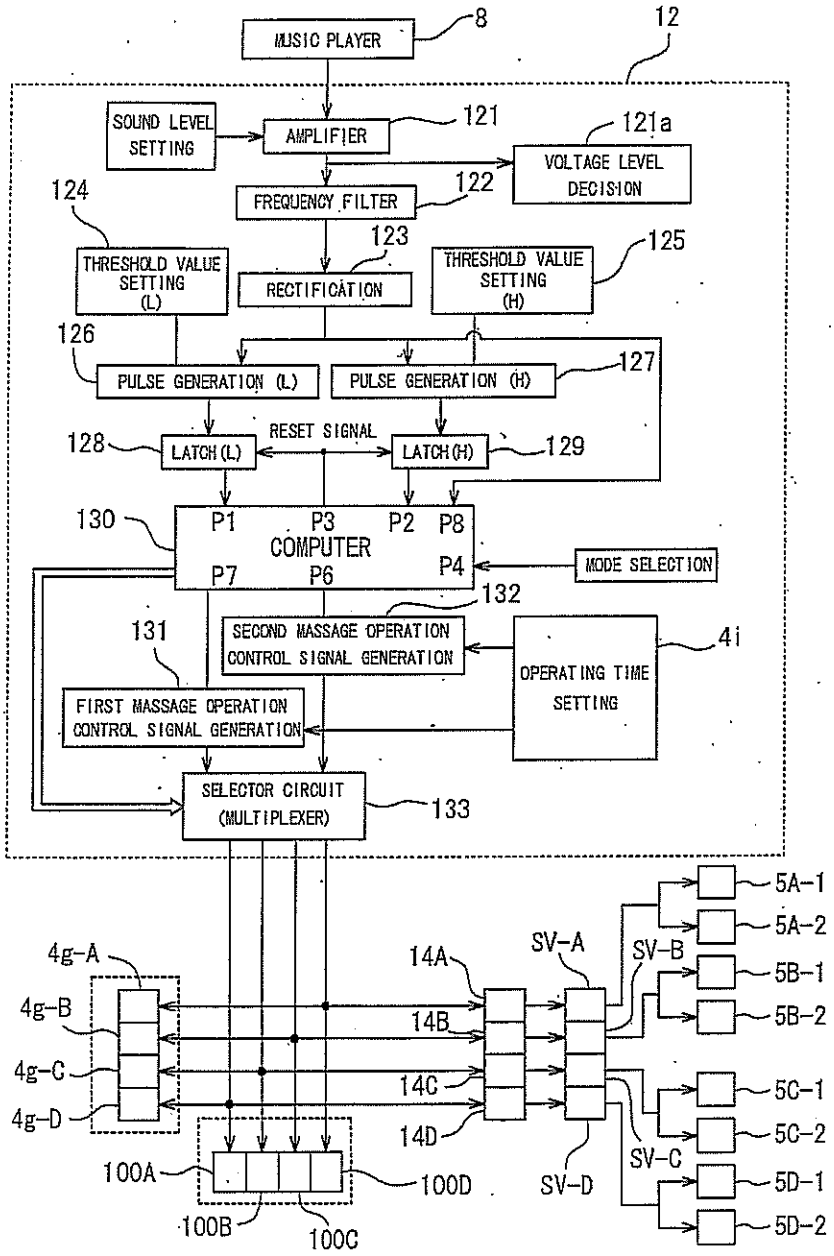

MUSIC PLAYER
8
12
SOUND LEVEL SETTING
AMPLIFIER
121
121a
VOLTAGE LEVEL DECISION
FREQUENCY FILTER
122
124
123
125
THRESHOLD VALUE SETTING (L)
RECTIFICATION
THRESHOLD VALUE SETTING (H)
126
PULSE GENERATION (L)
PULSE GENERATION (H)
127
RESET SIGNAL
128
LATCH (L)
LATCH (H)
129
130
P1
P3
P2
P8
COMPUTER
P7
P6
P4
MODE SELECTION
132
131
SECOND MASSAGE OPERATION CONTROL SIGNAL GENERATION
OPERATING TIME SETTING
4i
FIRST MASSAGE OPERATION CONTROL SIGNAL GENERATION
SELECTOR CIRCUIT (MULTIPLEXER)
133
4g-A
4g-B
4g-C
4g-D
14A
14B
14C
14D
SV-A
SV-B
SV-C
SV-D
5A-1
5A-2
5B-1
5B-2
5C-1
5C-2
5D-1
5D-2
100A
100B
100C
100D

Figure 5

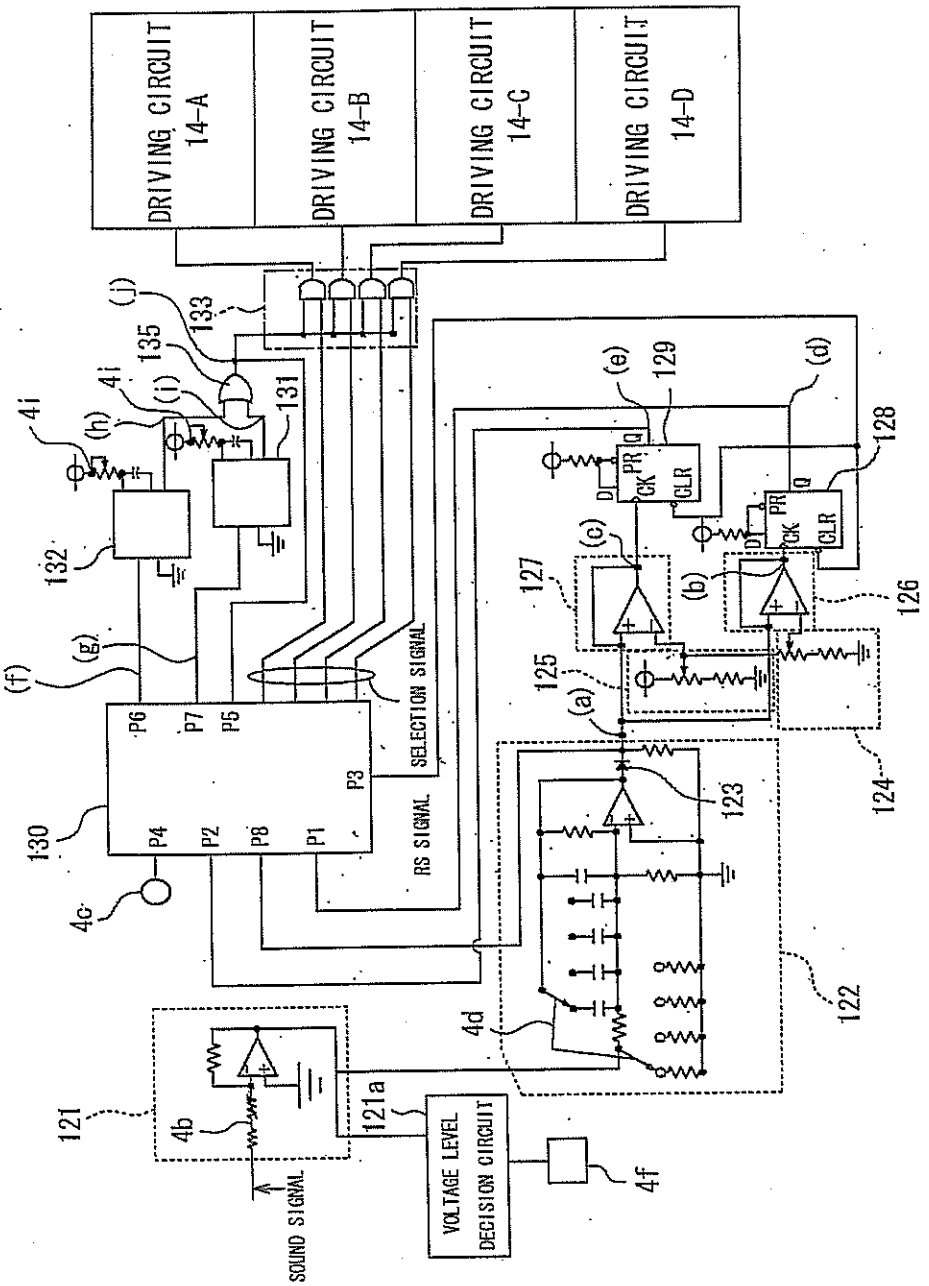

DRIVING CIRCUIT 14-A
DRIVING CIRCUIT 14-B
DRIVING CIRCUIT 14-C
DRIVING CIRCUIT 14-D
SELECTION SIGNAL
RS SIGNAL
SOUND SIGNAL
VOLTAGE LEVEL DECISION CIRCUIT
P1
P2
P3
P4
P5
P6
P7
P8
PR
CK
CLR
D
Q

Figure 6

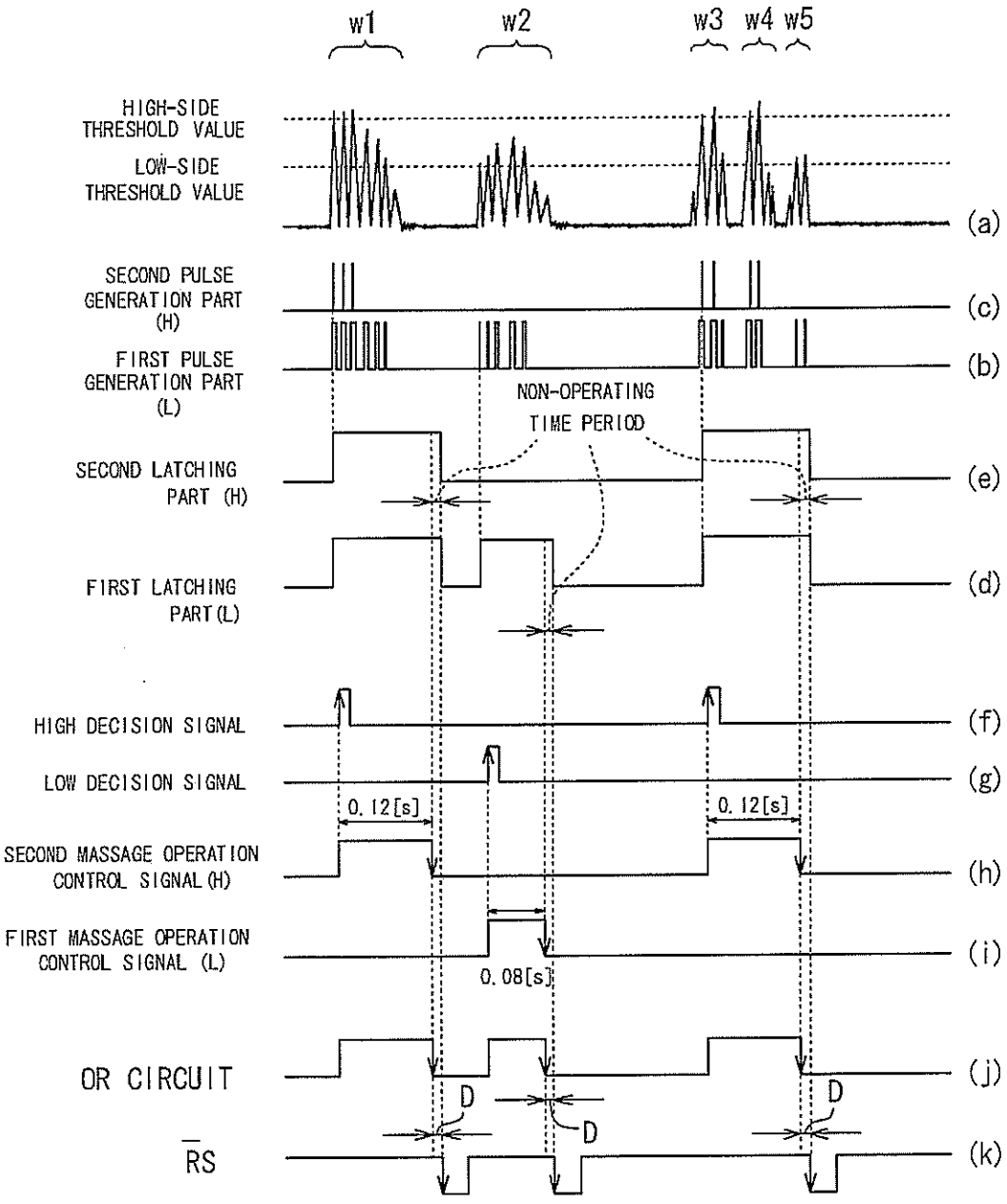

w1
w2
w3
w4
w5
HIGH-SIDE THRESHOLD VALUE
LOW-SIDE THRESHOLD VALUE
(a)
SECOND PULSE GENERATION PART (H)
(c)
FIRST PULSE GENERATION PART (L)
(b)
NON-OPERATING TIME PERIOD
SECOND LATCHING PART (H)
(e)
FIRST LATCHING PART (L)
(d)
HIGH DECISION SIGNAL
(f)
LOW DECISION SIGNAL
(g)
0.12[s]
0.12[s]
SECOND MASSAGE OPERATION CONTROL SIGNAL (H)
(h)
FIRST MASSAGE OPERATION CONTROL SIGNAL (L)
(i)
0.08[s]
OR CIRCUIT
(j)
D
D
D
$\overline{RS}$
(k)

Figure 7

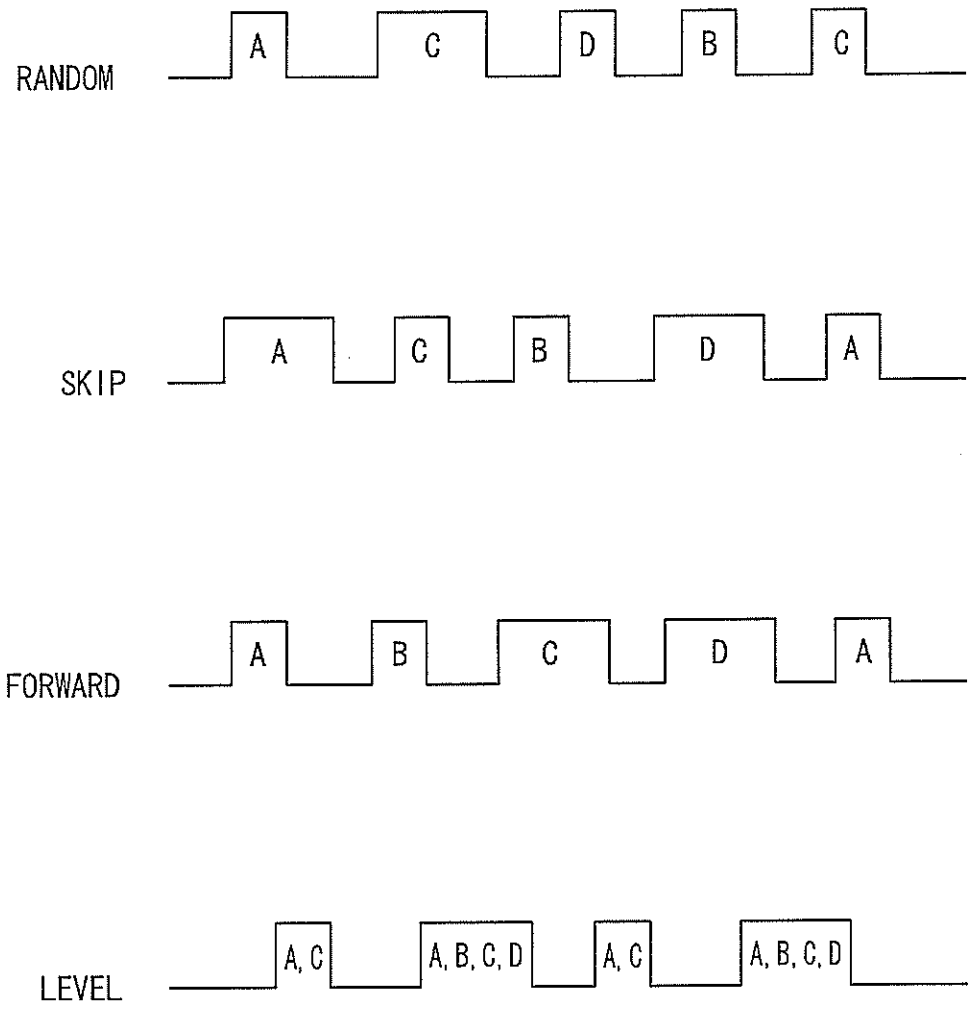



Figure 8

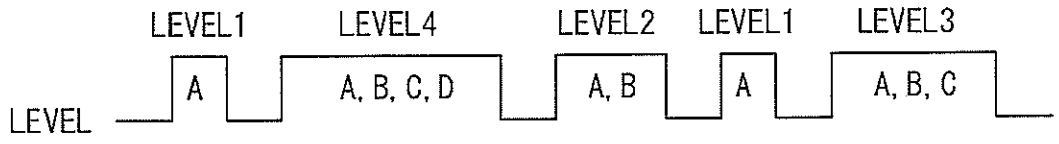



Figure 9

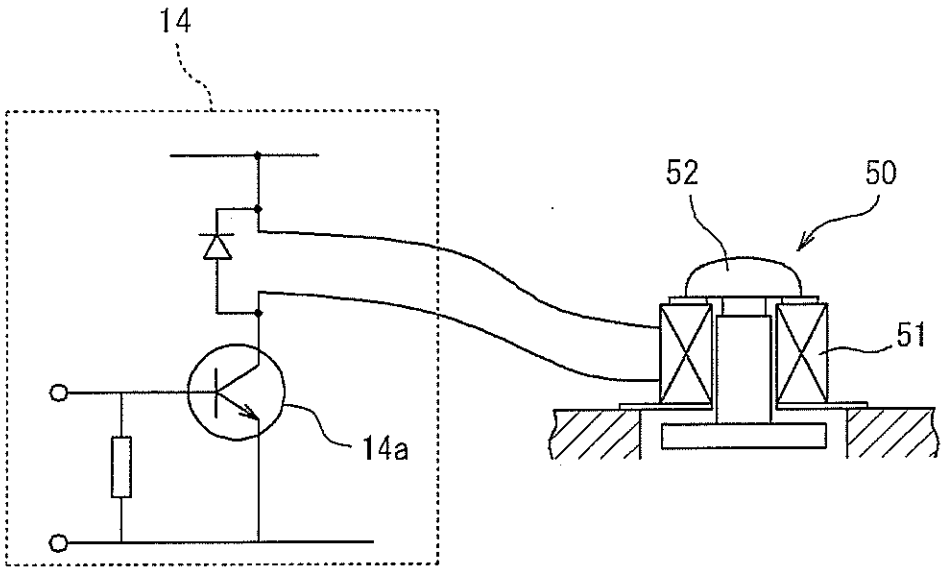
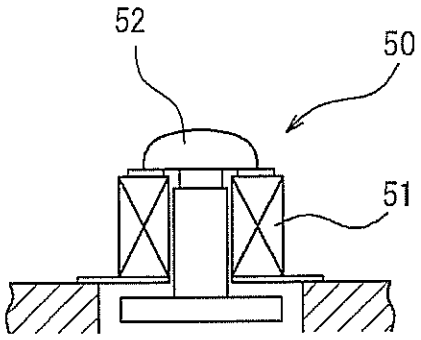



Figure 10

(a)




(b)

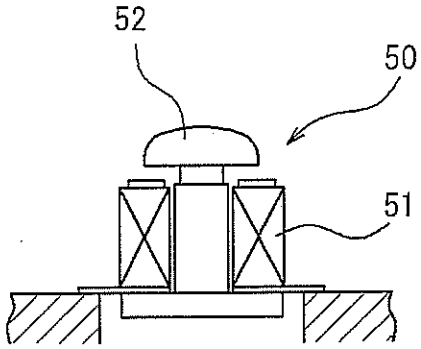



Figure 11