FIG.1

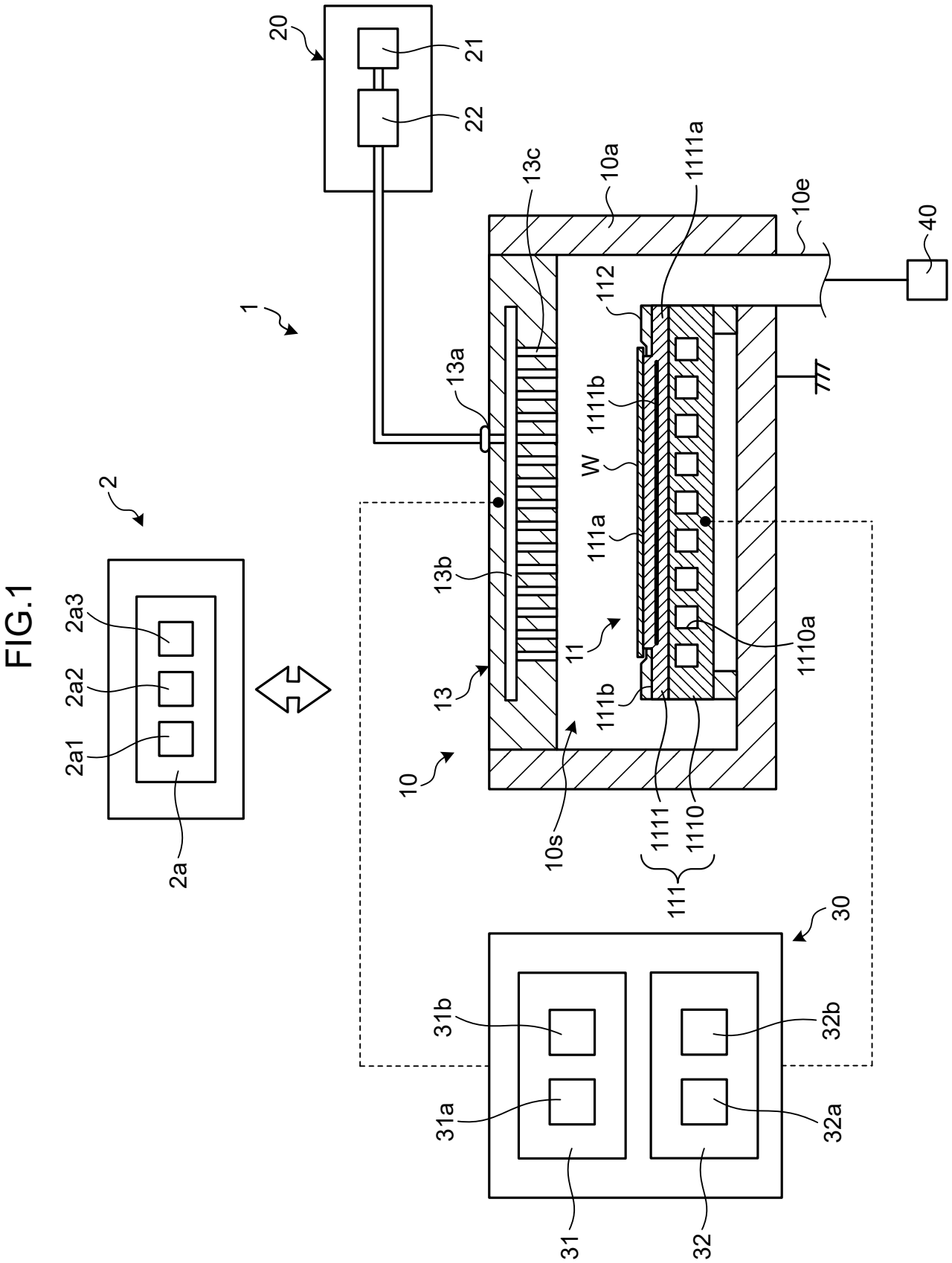

1
2
2a
2a1
2a2
2a3
10
10a
10e
10s
11
111
1110
1110a
1111
1111a
1111b
112
13
13a
13b
13c
20
21
22
30
31
31a
31b
32
32a
32b
40
111a
W

FIG.2

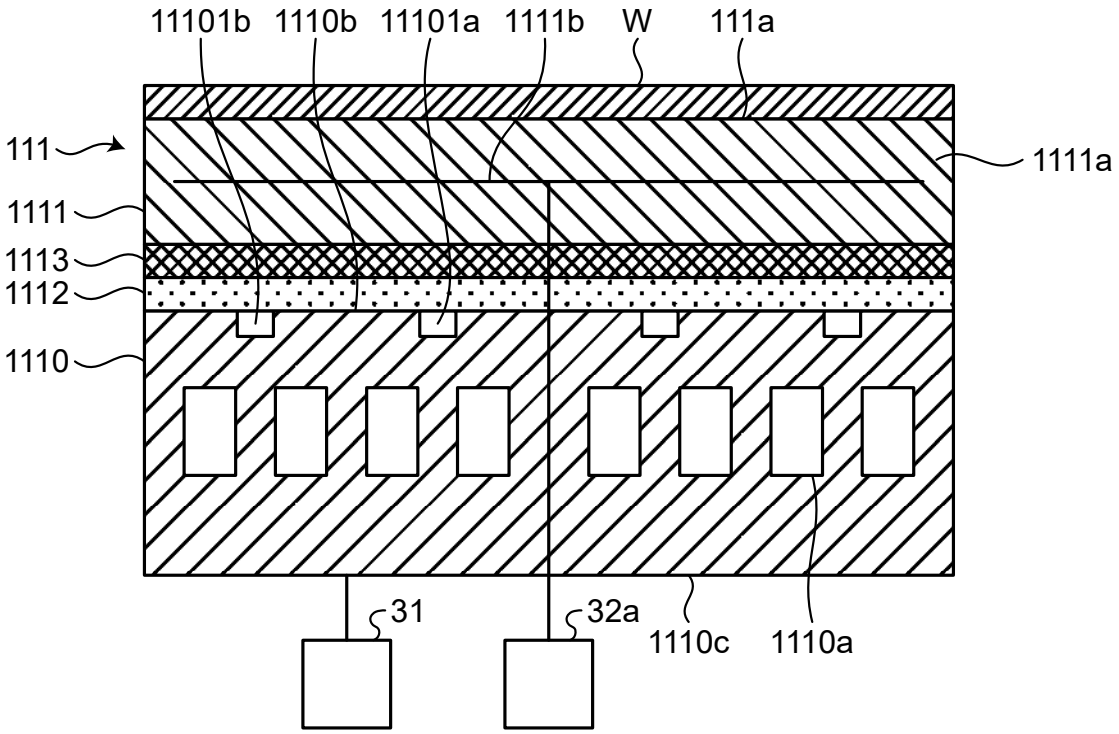

11101b
1110b
11101a
1111b
W
111a
111
1111a
1111
1113
1112
1110
31
32a
1110c
1110a

FIG.3

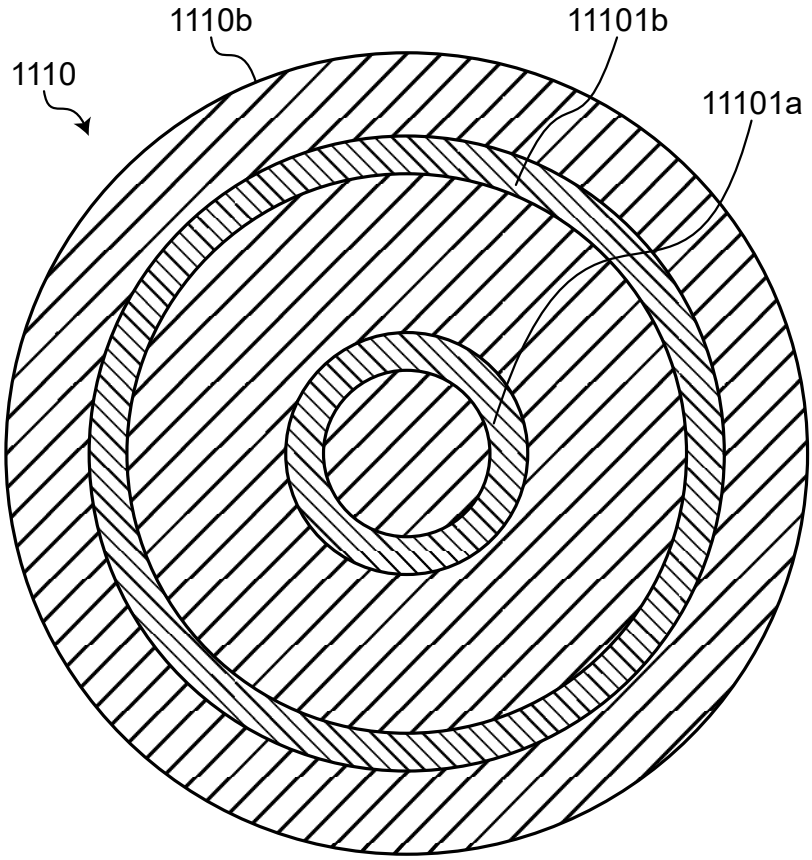

1110b
11101b
1110
11101a

FIG.4

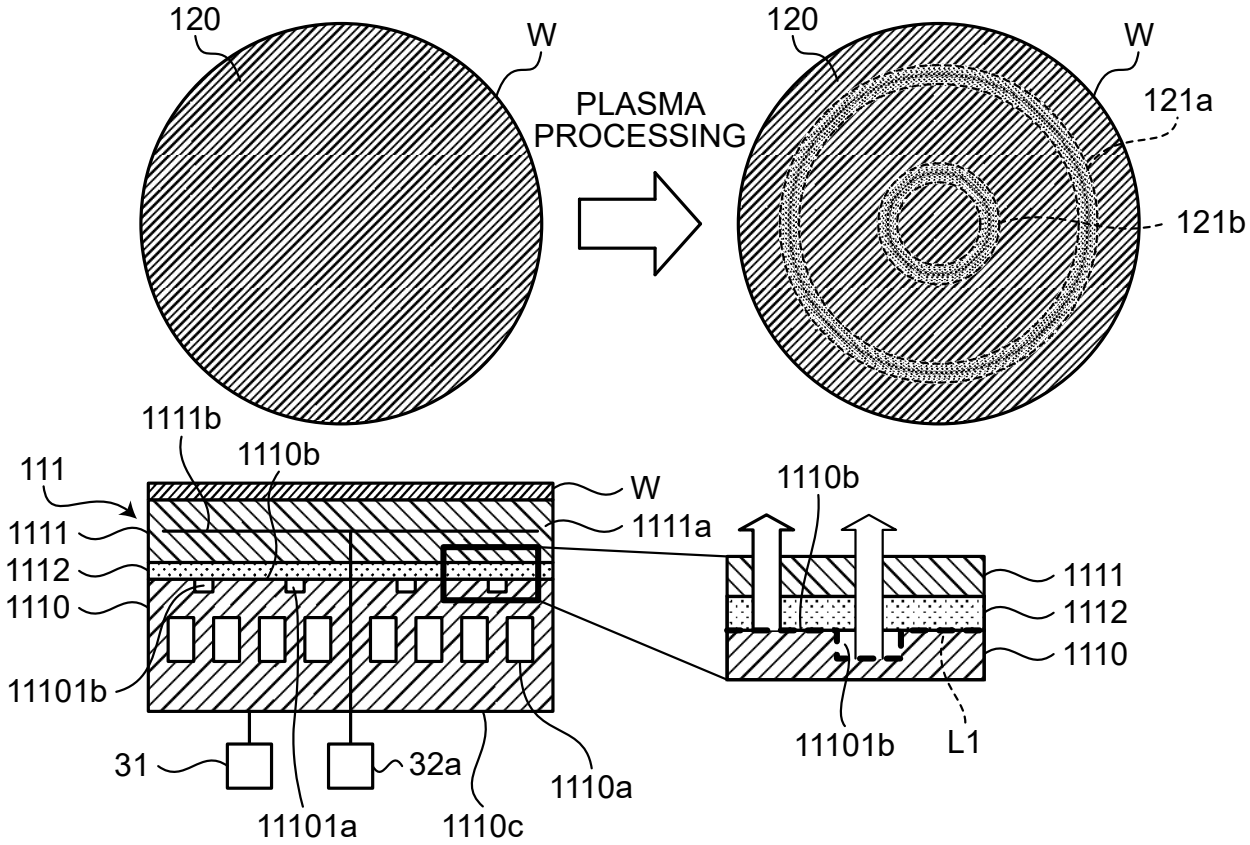

120
W
PLASMA
PROCESSING
120
W
121a
121b
1111b
1110b
111
W
1111a
1110b
1111
1112
1110
11101b
1111
1112
1110
11101b
L1
31
32a
1110a
11101a
1110c

FIG.5

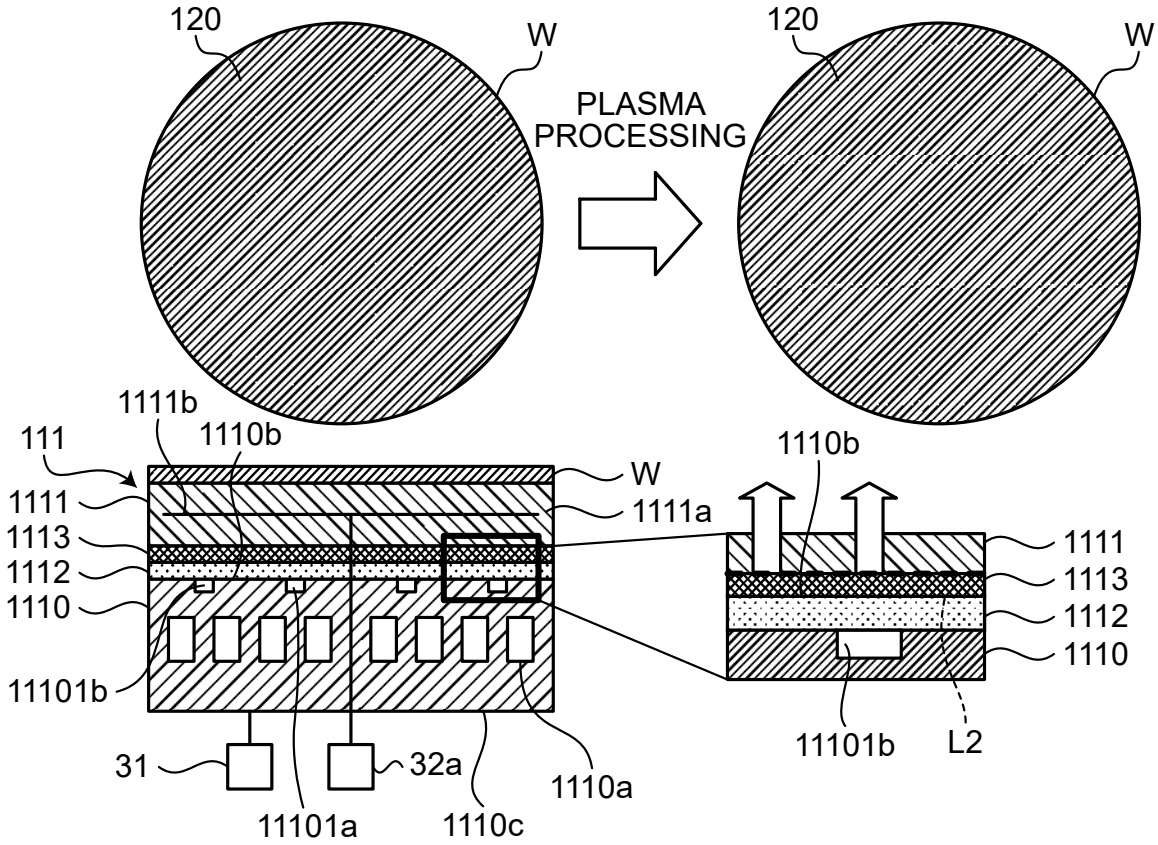

120
W
PLASMA
PROCESSING
120
W
1111b
1110b
111
W
1111a
1110b
1111
1113
1112
1110
11101b
1111
1113
1112
1110
11101b
L2
31
32a
1110a
11101a
1110c

FIG.6

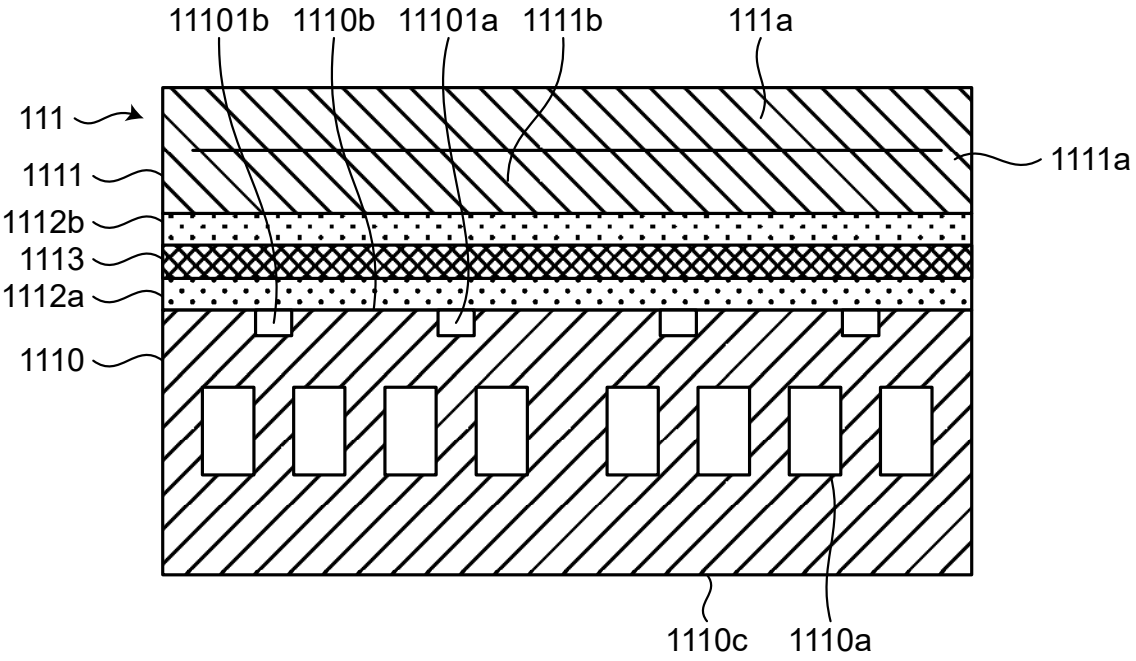

11101b
1110b
11101a
1111b
111a
111
1111a
1111
1112b
1113
1112a
1110
1110c
1110a

FIG.7

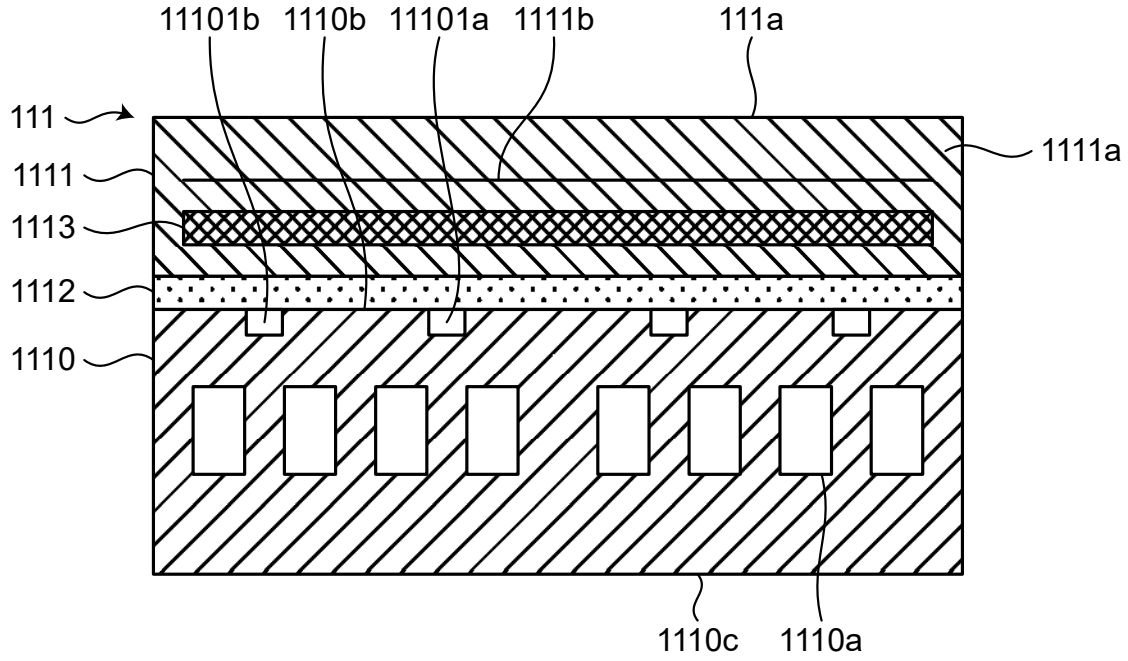

11101b
1110b
11101a
1111b
111a
111
1111a
1111
1113
1112
1110
1110c
1110a

FIG.8

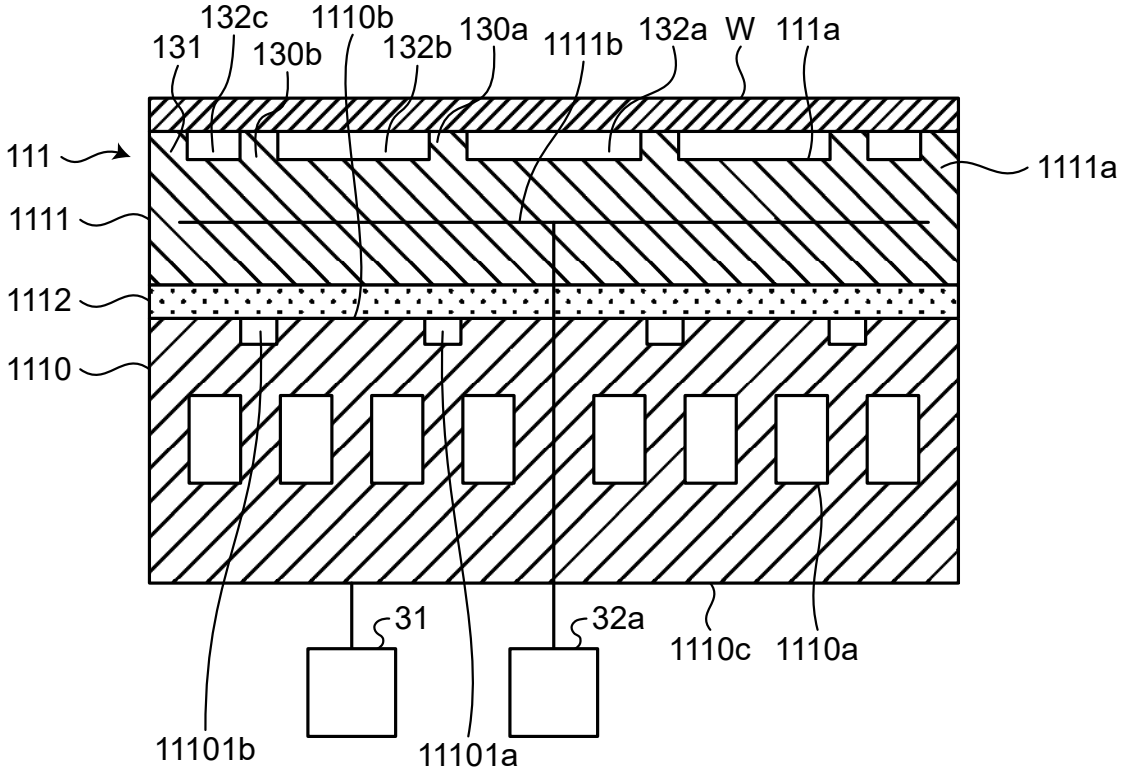

132c
1110b
131
130b
132b
130a
1111b
132a
W
111a
111
1111a
1111
1112
1110
31
32a
1110c
1110a
11101b
11101a

FIG.9

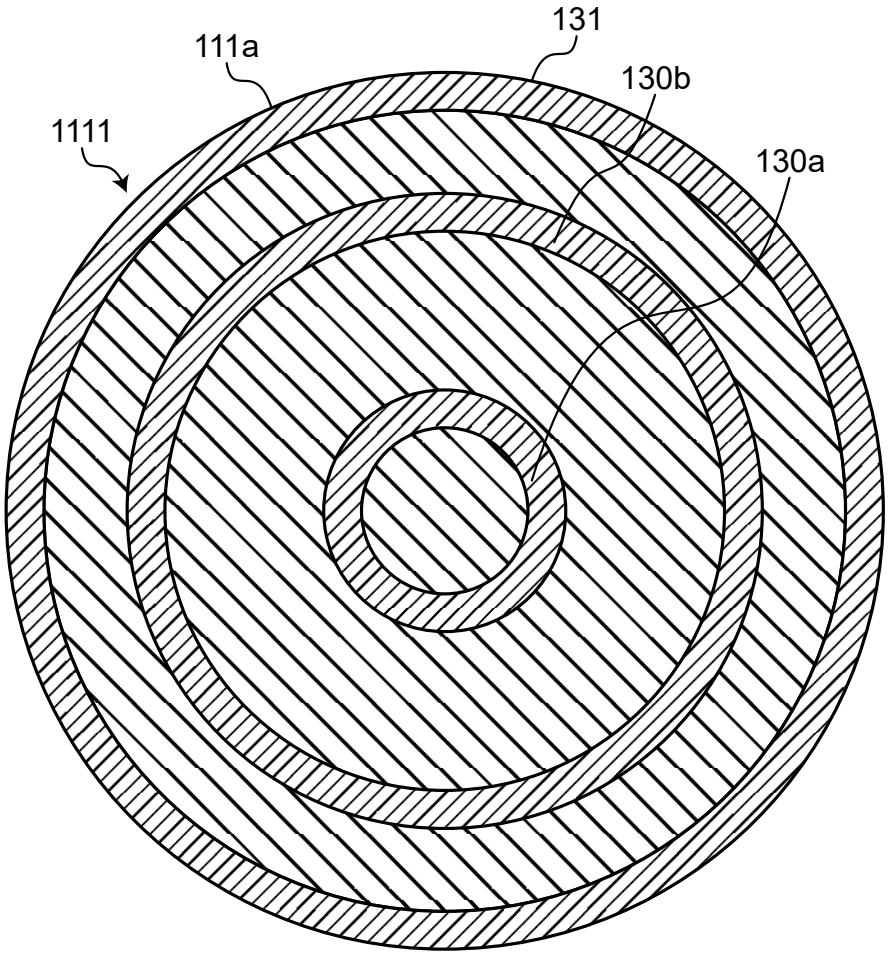

131
111a
130b
1111
130a

FIG.10

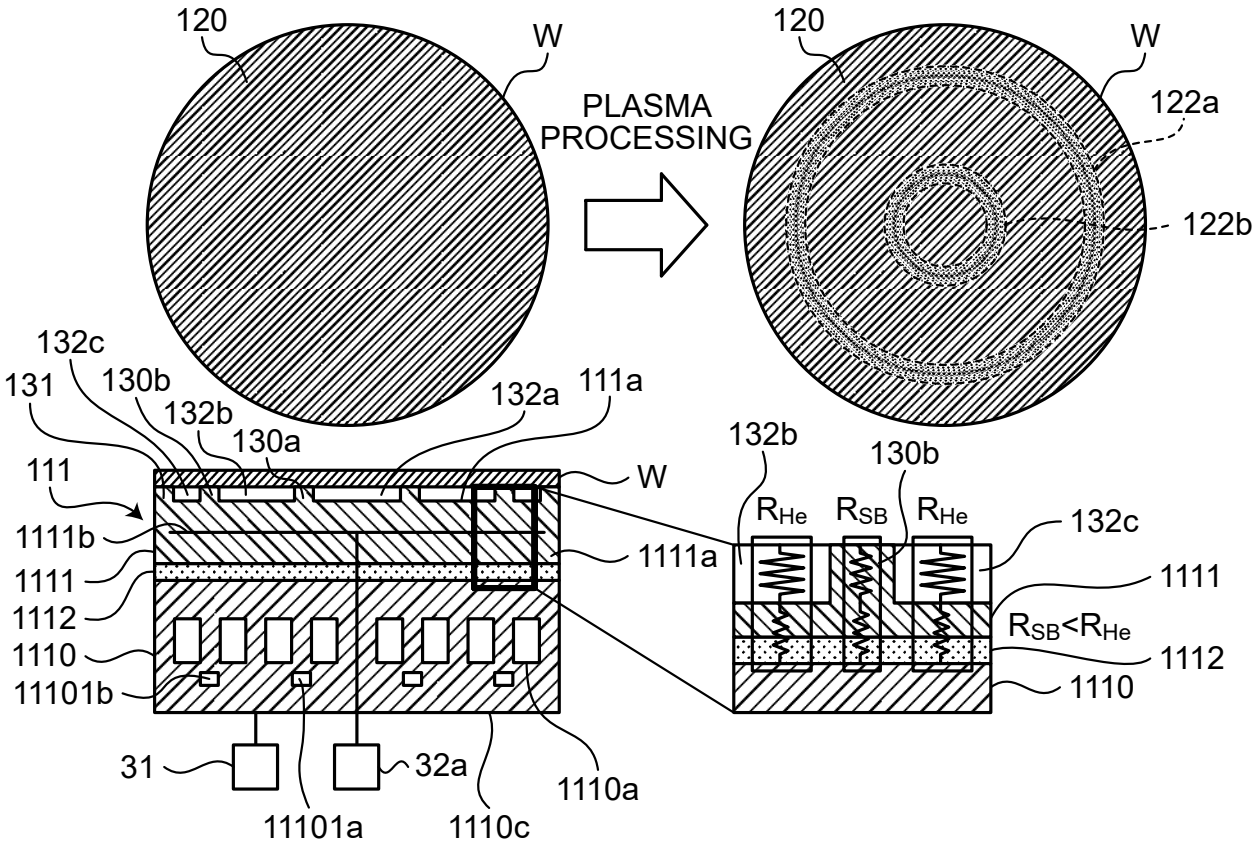
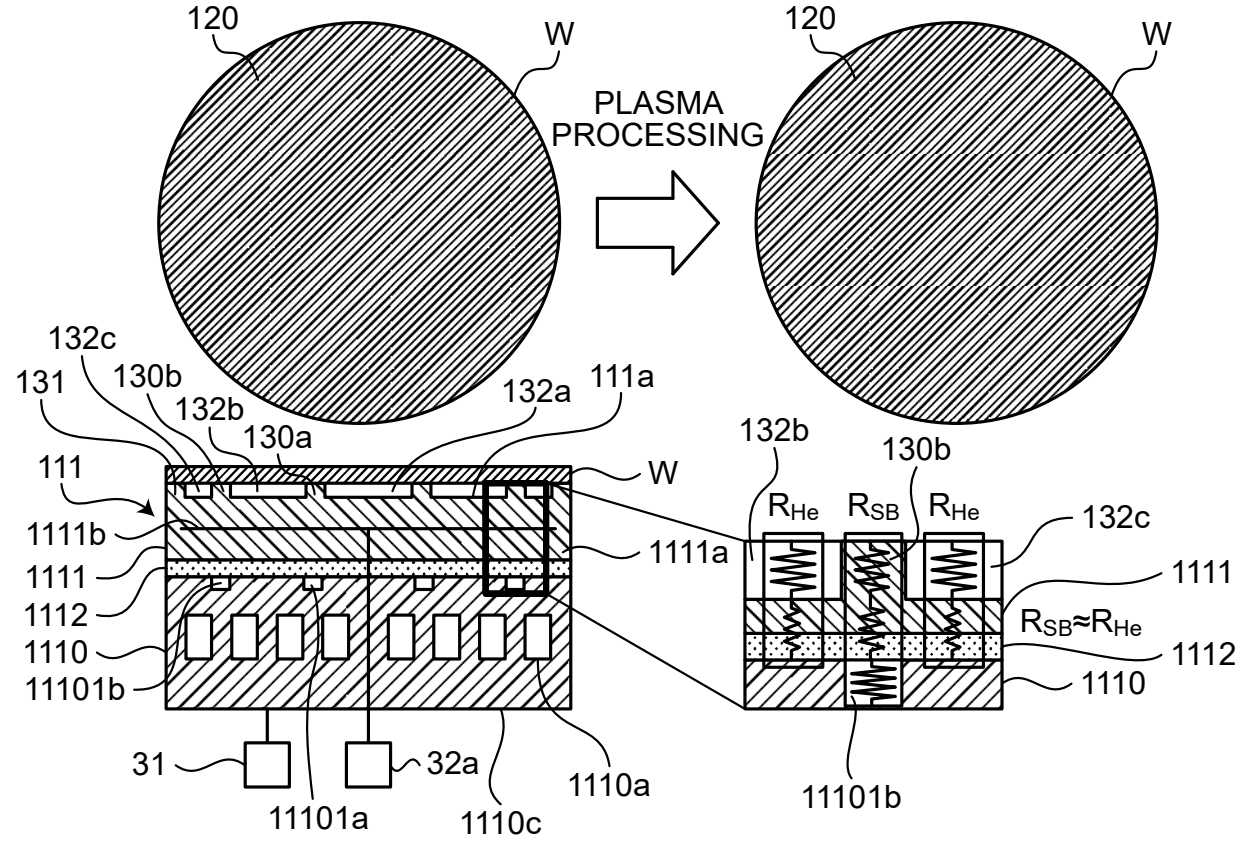

120
W
PLASMA
PROCESSING
120
W
122a
122b
132c
131
130b
132b
130a
132a
111a
W
111
1111b
1111
1112
1110
11101b
1111a
132b
130b
R_{He}
R_{SB}
R_{He}
132c
1111
R_{SB}<R_{He}
1112
1110
31
32a
1110a
11101a
1110c

FIG.11


120
W
PLASMA
PROCESSING
120
W
132c
131
130b
132b
130a
132a
111a
W
111
1111b
1111
1112
1110
11101b
1111a
132b
130b
R_{He}
R_{SB}
R_{He}
132c
1111
R_{SB}≈R_{He}
1112
1110
31
32a
1110a
11101a
1110c
11101b