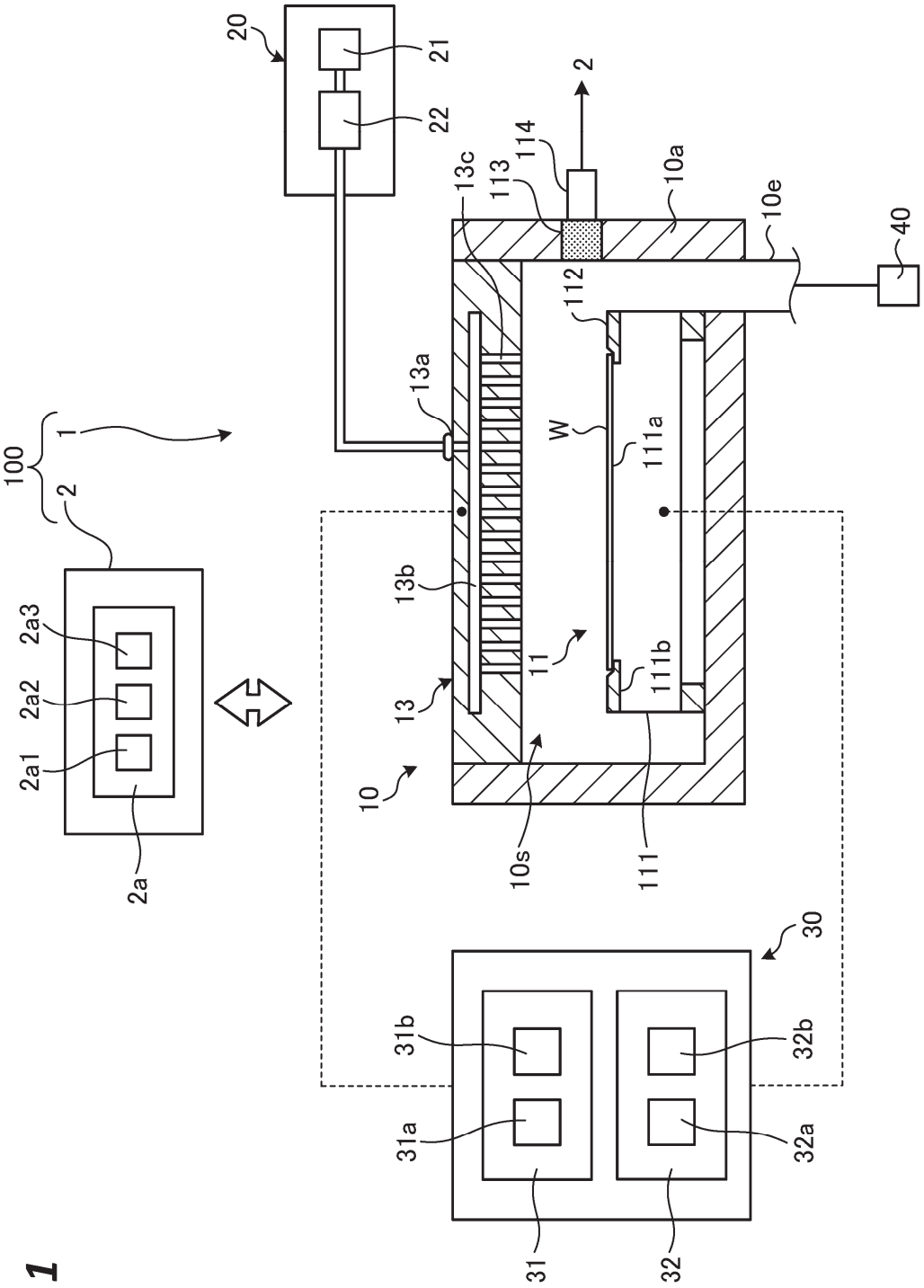

20
21
22
2
114
113
13c
10a
10e
40
112
13a
W
111a
100
1
2
13b
11
111b
13
10
2a3
2a2
2a1
2a
10s
111
30
31b
32b
31a
32a
31
32

FIG. 1

FIG. 2

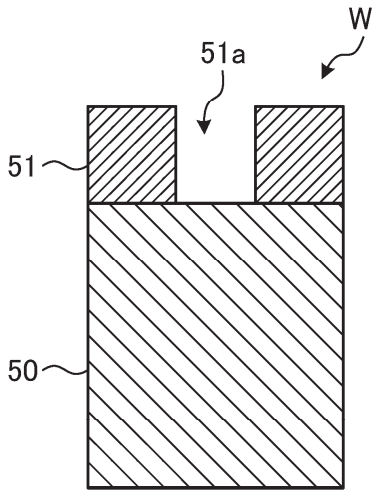


FIG. 3A

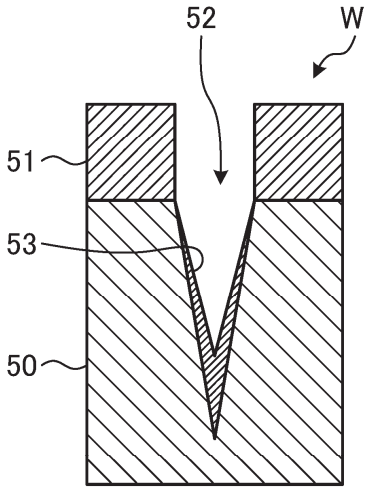


FIG. 3B

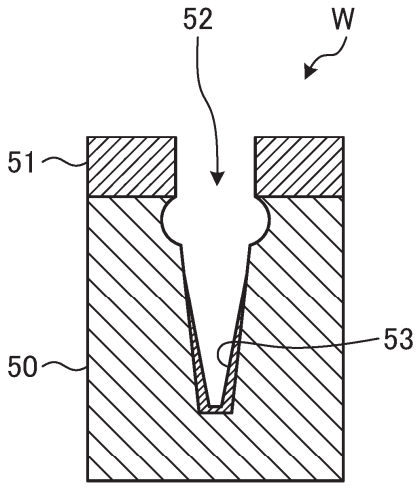


FIG. 4

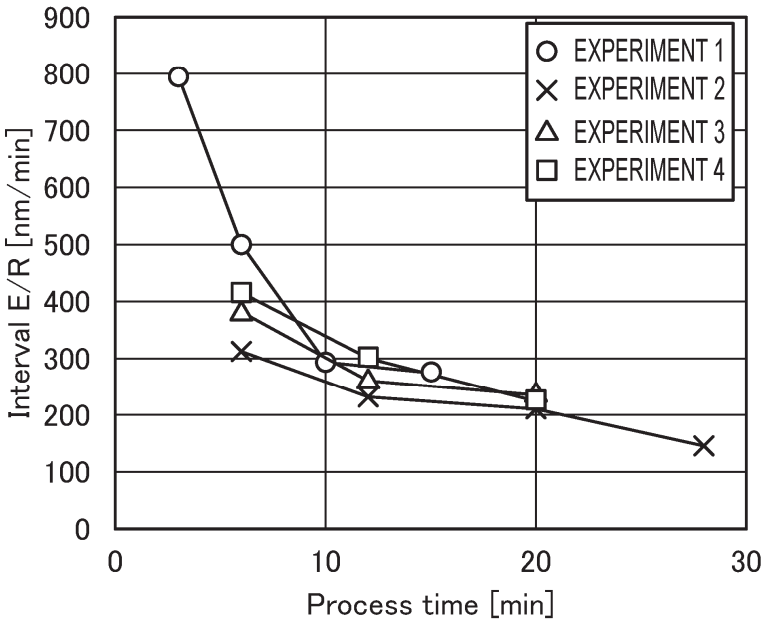

900
800
700
600
500
400
300
200
100
0
Interval E/R [nm/min]
0
10
20
30
Process time [min]
EXPERIMENT 1
EXPERIMENT 2
EXPERIMENT 3
EXPERIMENT 4

FIG. 5

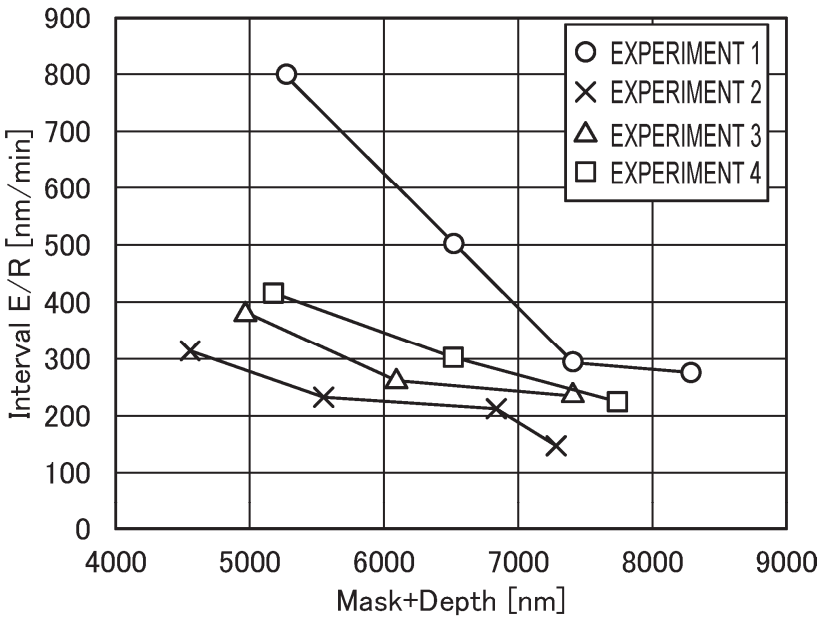

900
800
700
600
500
400
300
200
100
0
Interval E/R [nm/min]
4000
5000
6000
7000
8000
9000
Mask+Depth [nm]
EXPERIMENT 1
EXPERIMENT 2
EXPERIMENT 3
EXPERIMENT 4

FIG. 6

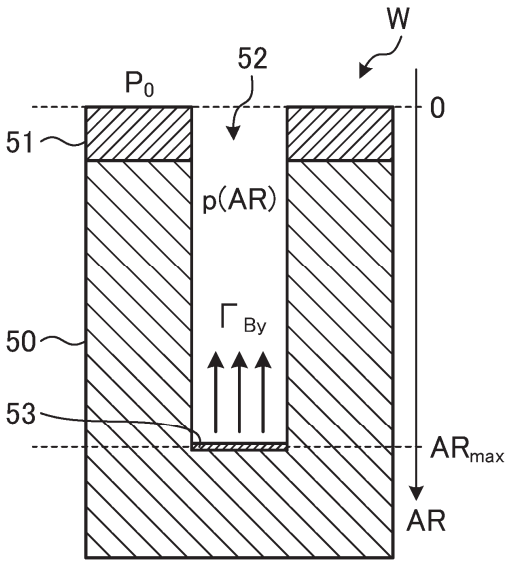


FIG. 7

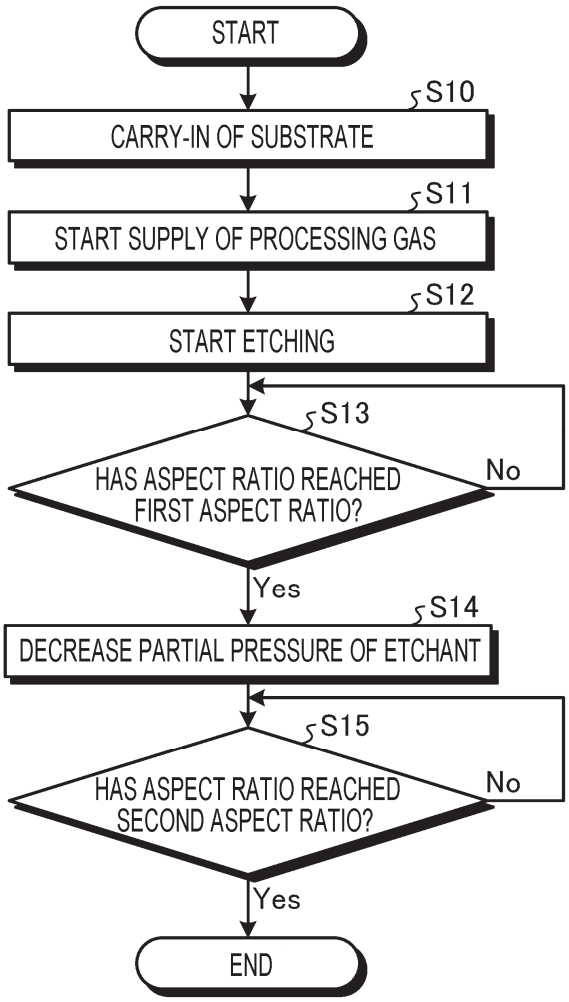

START
S10
CARRY-IN OF SUBSTRATE
S11
START SUPPLY OF PROCESSING GAS
S12
START ETCHING
S13
HAS ASPECT RATIO REACHED FIRST ASPECT RATIO?
No
Yes
S14
DECREASE PARTIAL PRESSURE OF ETCHANT
S15
HAS ASPECT RATIO REACHED SECOND ASPECT RATIO?
No
Yes
END

FIG. 8

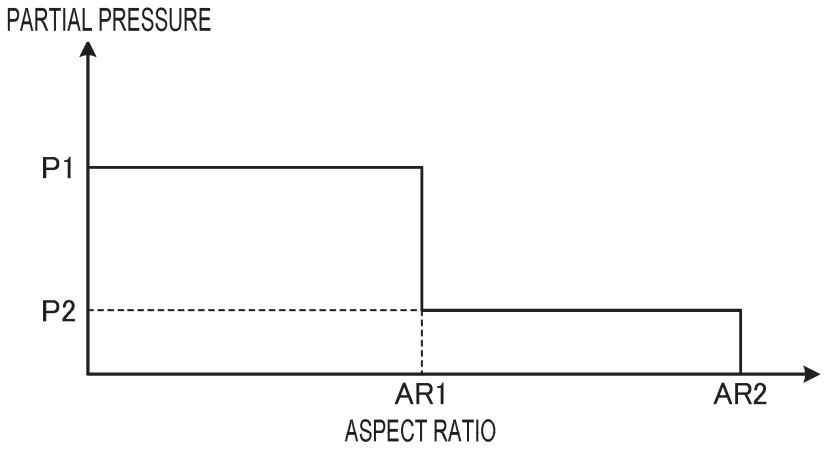


FIG. 9

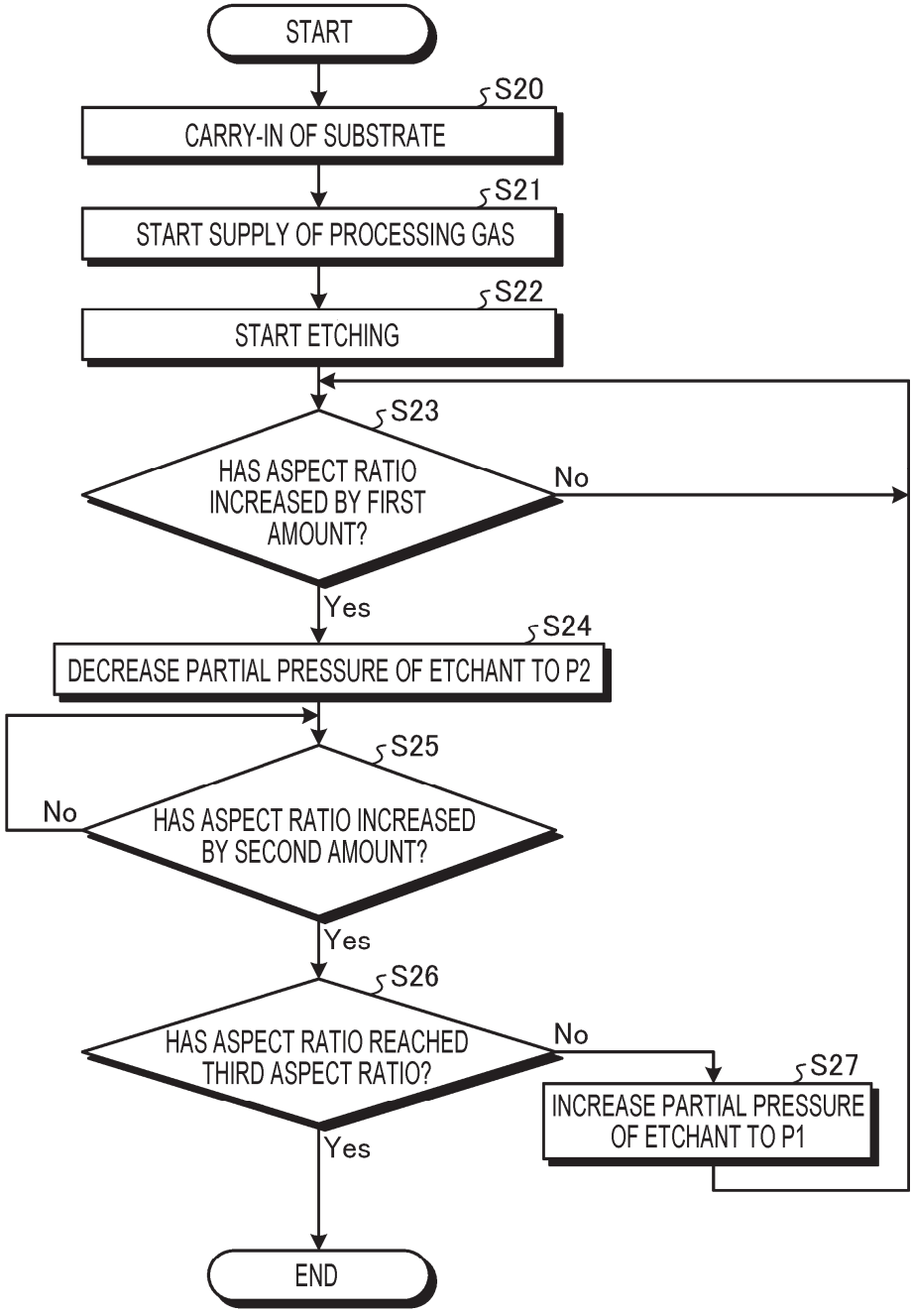

START
S20
CARRY-IN OF SUBSTRATE
S21
START SUPPLY OF PROCESSING GAS
S22
START ETCHING
S23
HAS ASPECT RATIO INCREASED BY FIRST AMOUNT?
No
Yes
S24
DECREASE PARTIAL PRESSURE OF ETCHANT TO P2
S25
HAS ASPECT RATIO INCREASED BY SECOND AMOUNT?
No
Yes
S26
HAS ASPECT RATIO REACHED THIRD ASPECT RATIO?
No
S27
INCREASE PARTIAL PRESSURE OF ETCHANT TO P1
Yes
END

FIG. 10

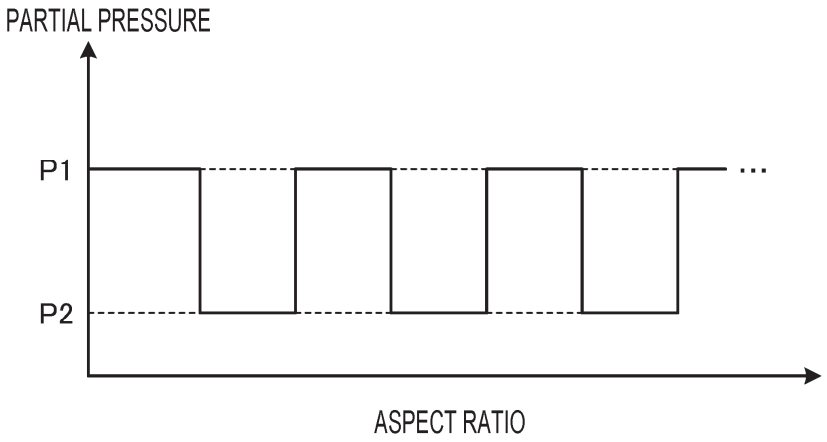
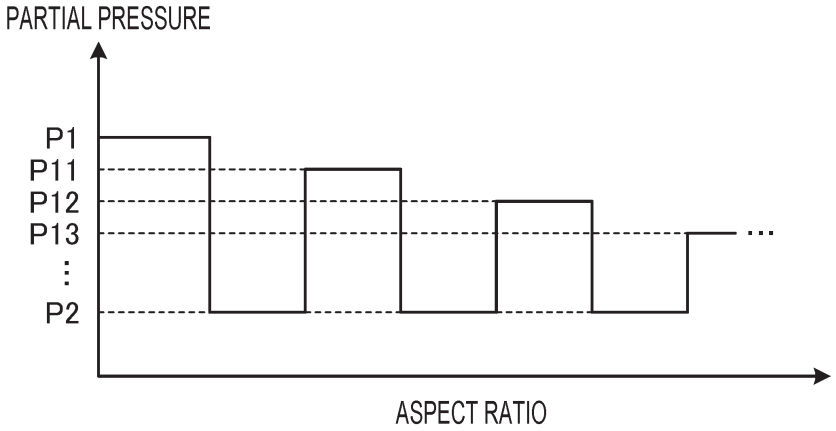

PARTIAL PRESSURE
P1
P2
...
ASPECT RATIO

FIG. 11


PARTIAL PRESSURE
P1
P11
P12
P13
P2
...
ASPECT RATIO