FIG. 1

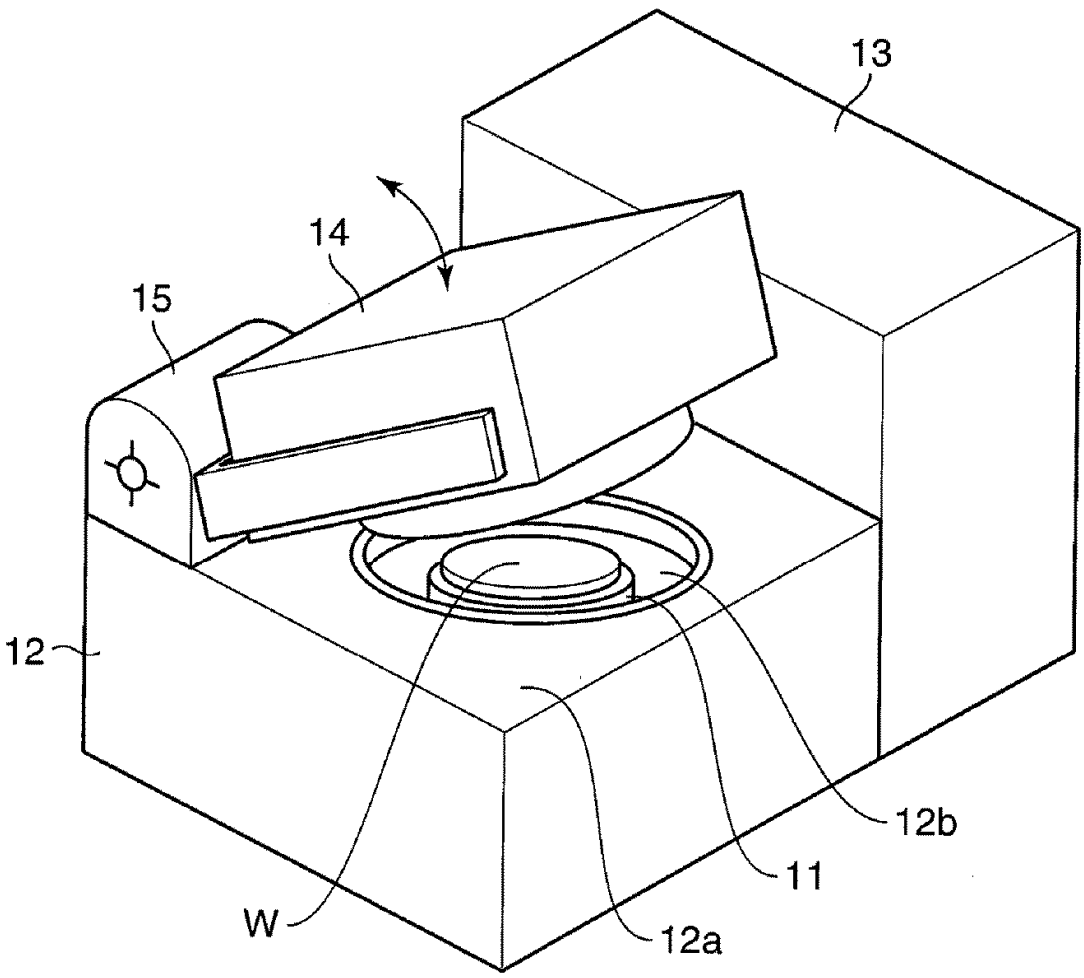


FIG. 2

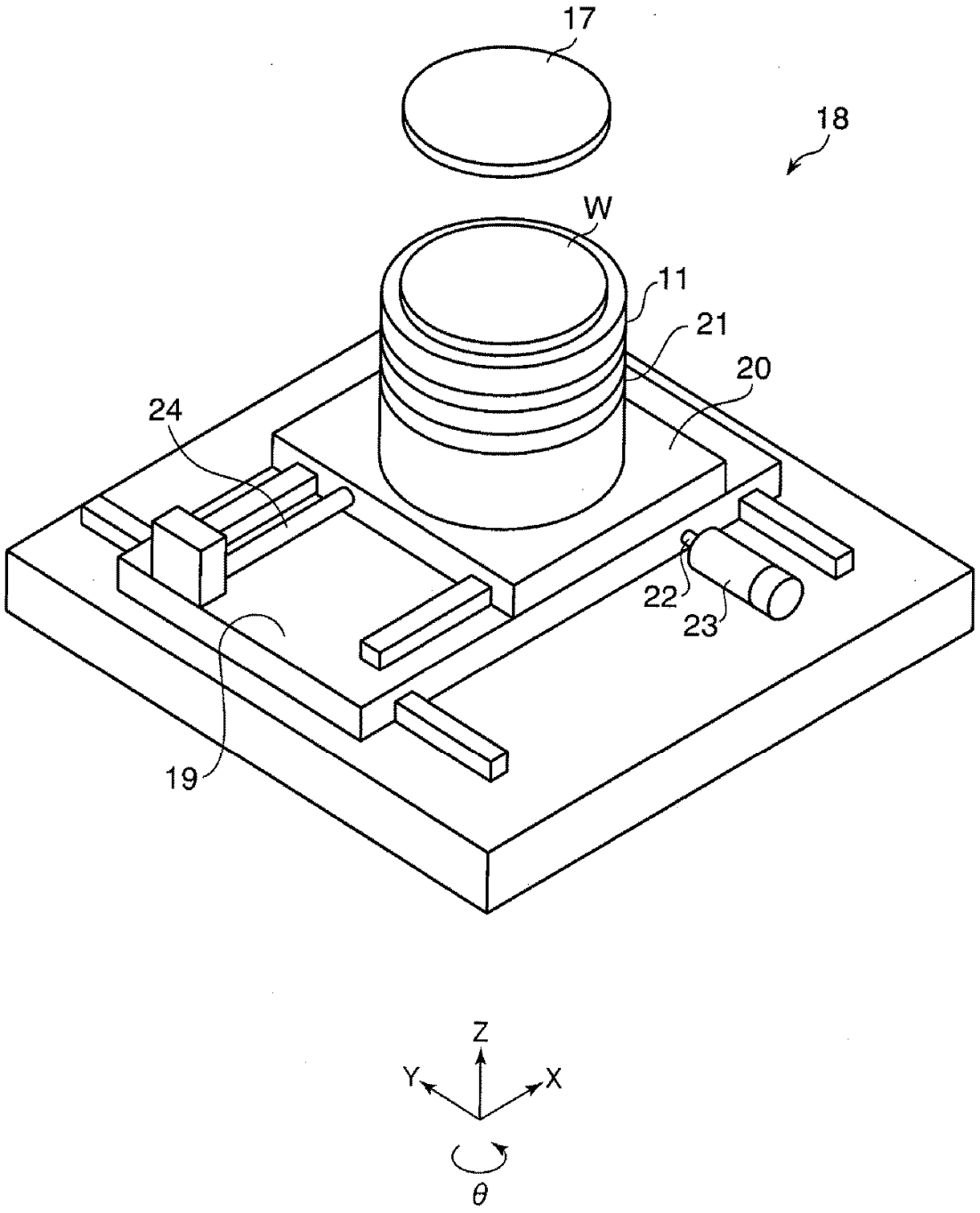


FIG. 3A

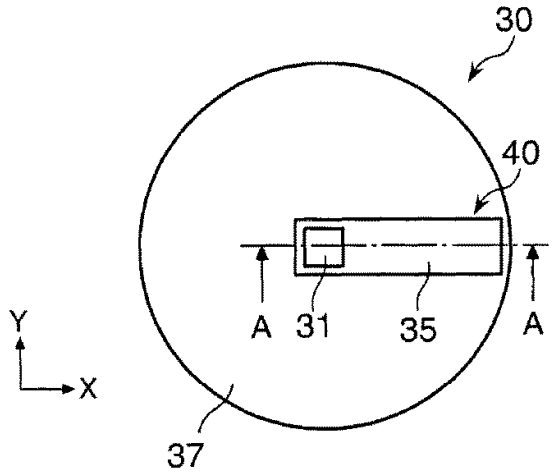

30
40
A
31
35
A
Y
X
37

FIG. 3B

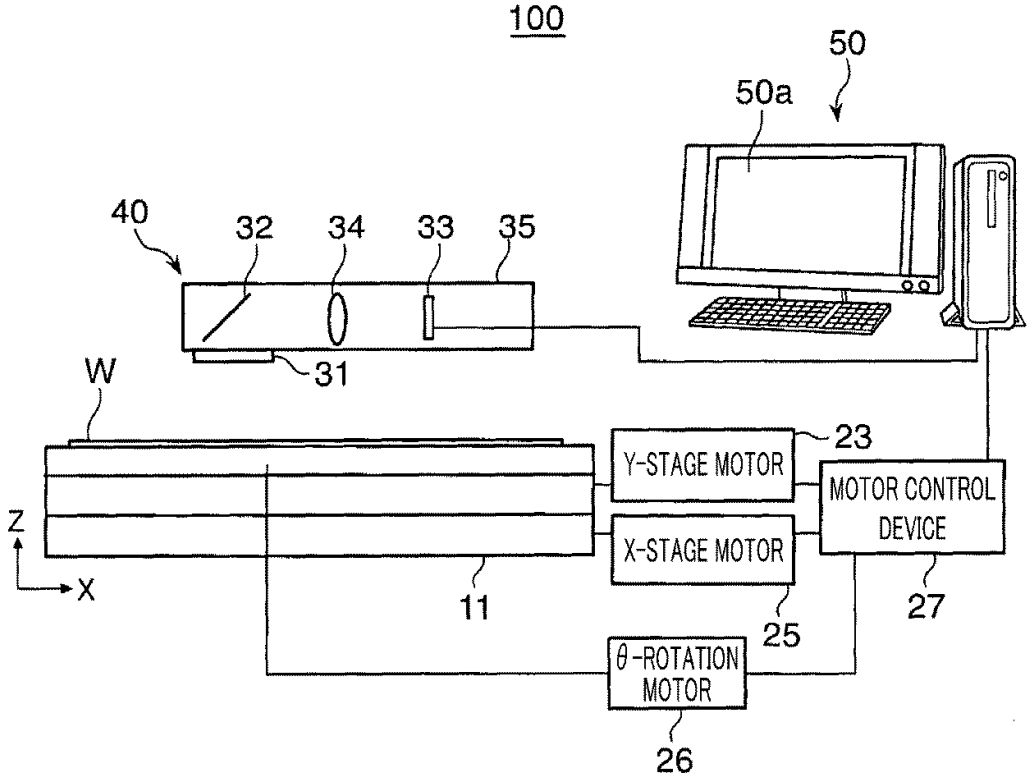

100
50
50a
40
32
34
33
35
31
W
23
Y-STAGE MOTOR
MOTOR CONTROL DEVICE
X-STAGE MOTOR
Z
X
11
25
27
θ-ROTATION MOTOR
26

FIG. 4A

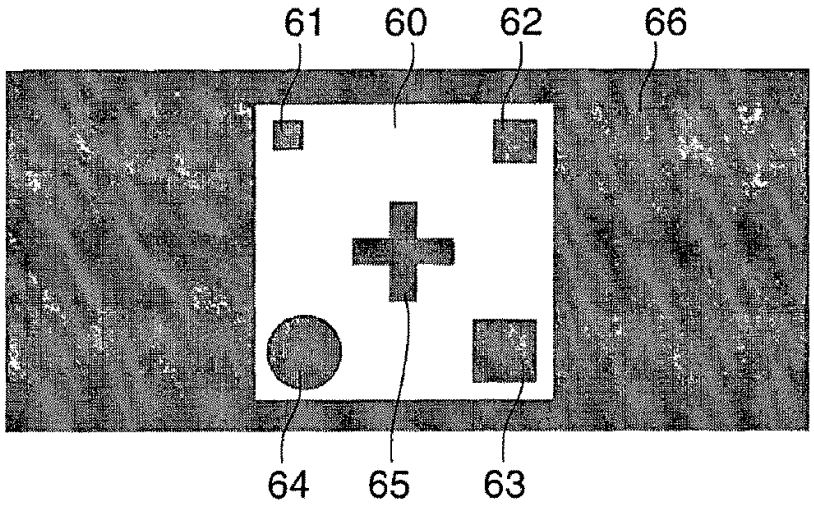


FIG. 4B

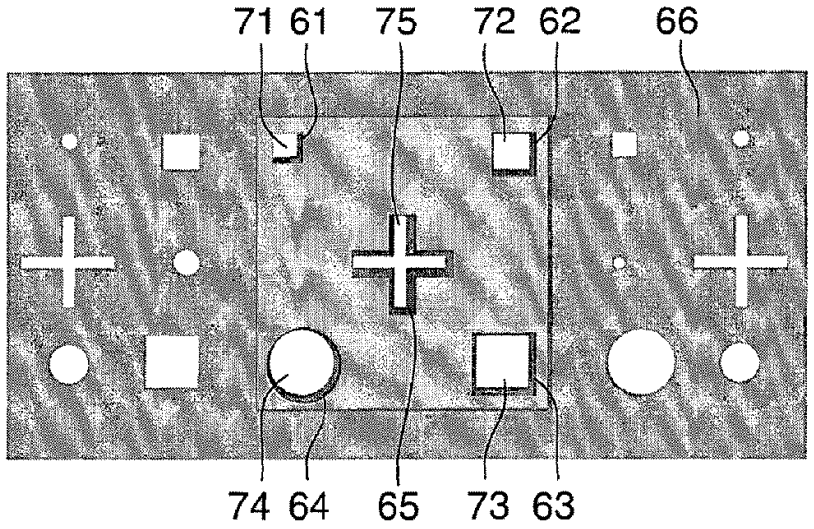


FIG. 5A

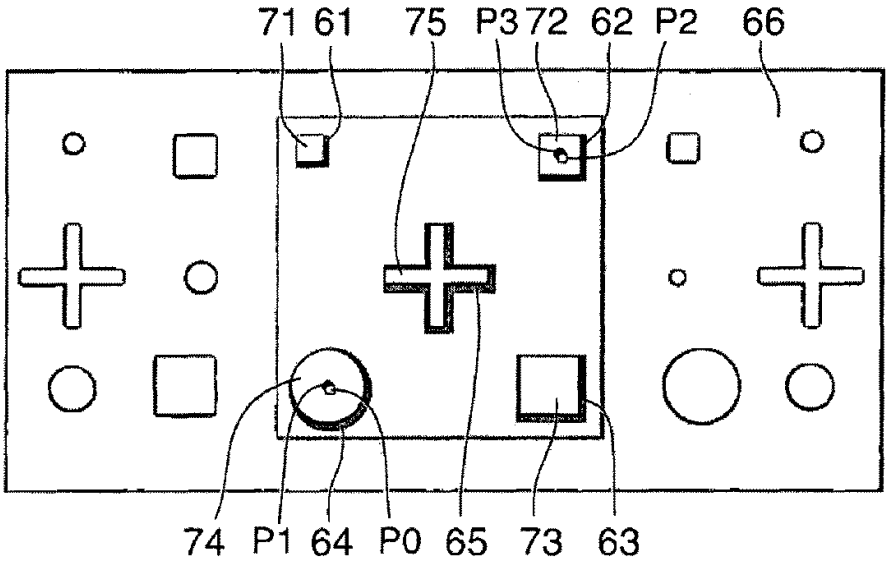
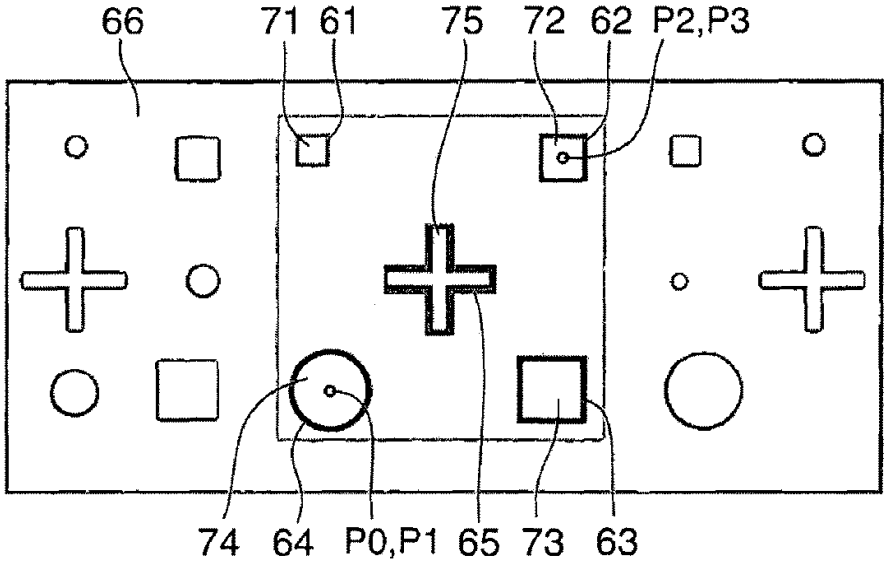

71 61 75 P3 72 62 P2 66
74 P1 64 P0 65 73 63

FIG. 5B


66 71 61 75 72 62 P2,P3
74 64 P0,P1 65 73 63

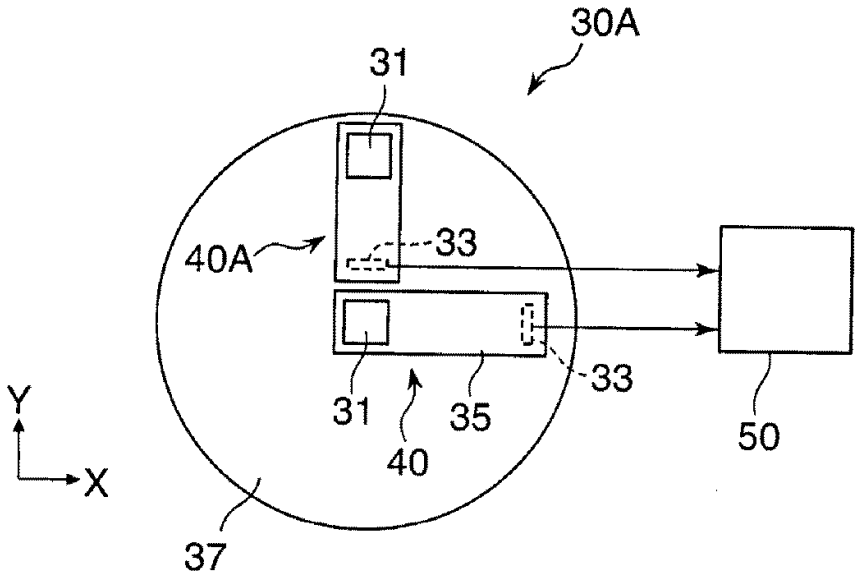



FIG. 6