FIG. 1

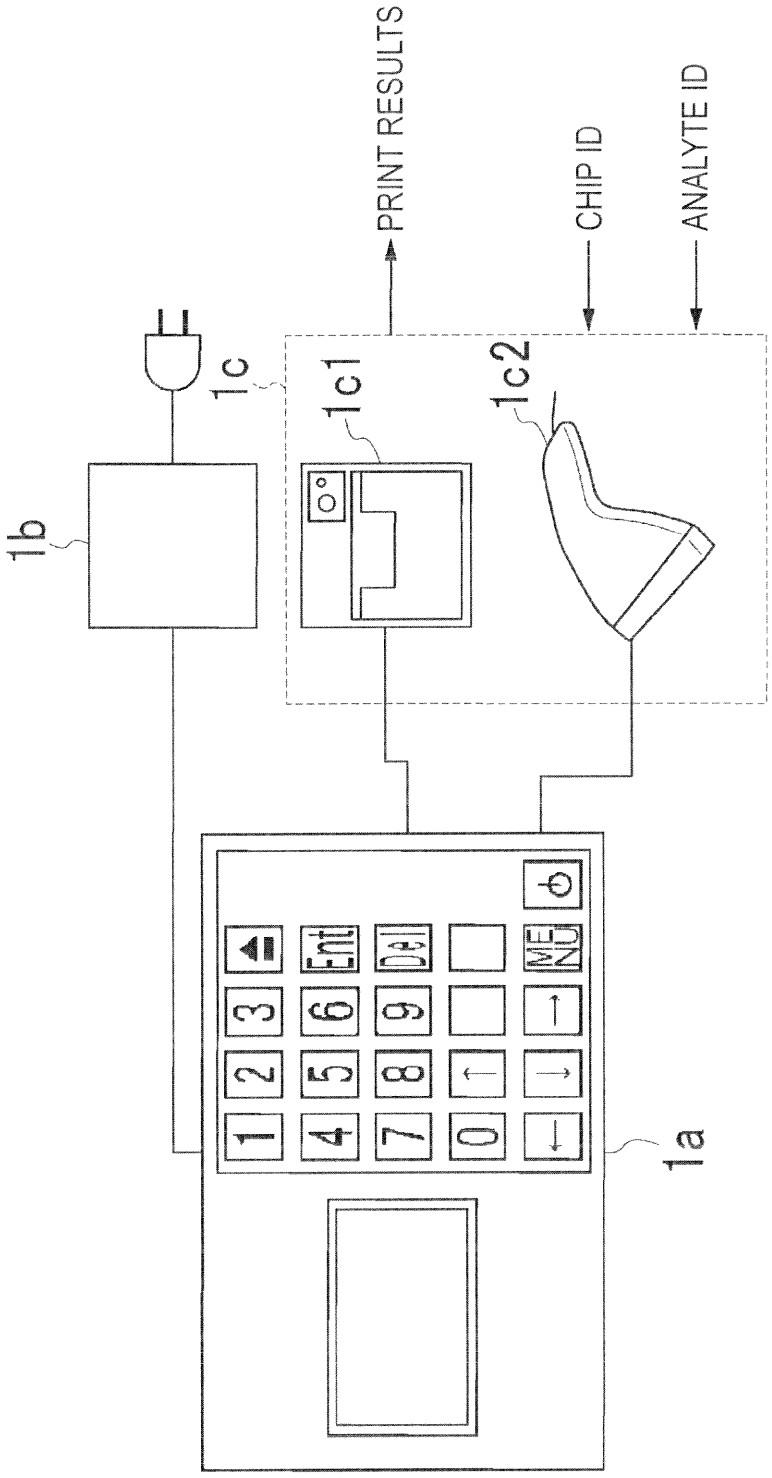


FIG. 2

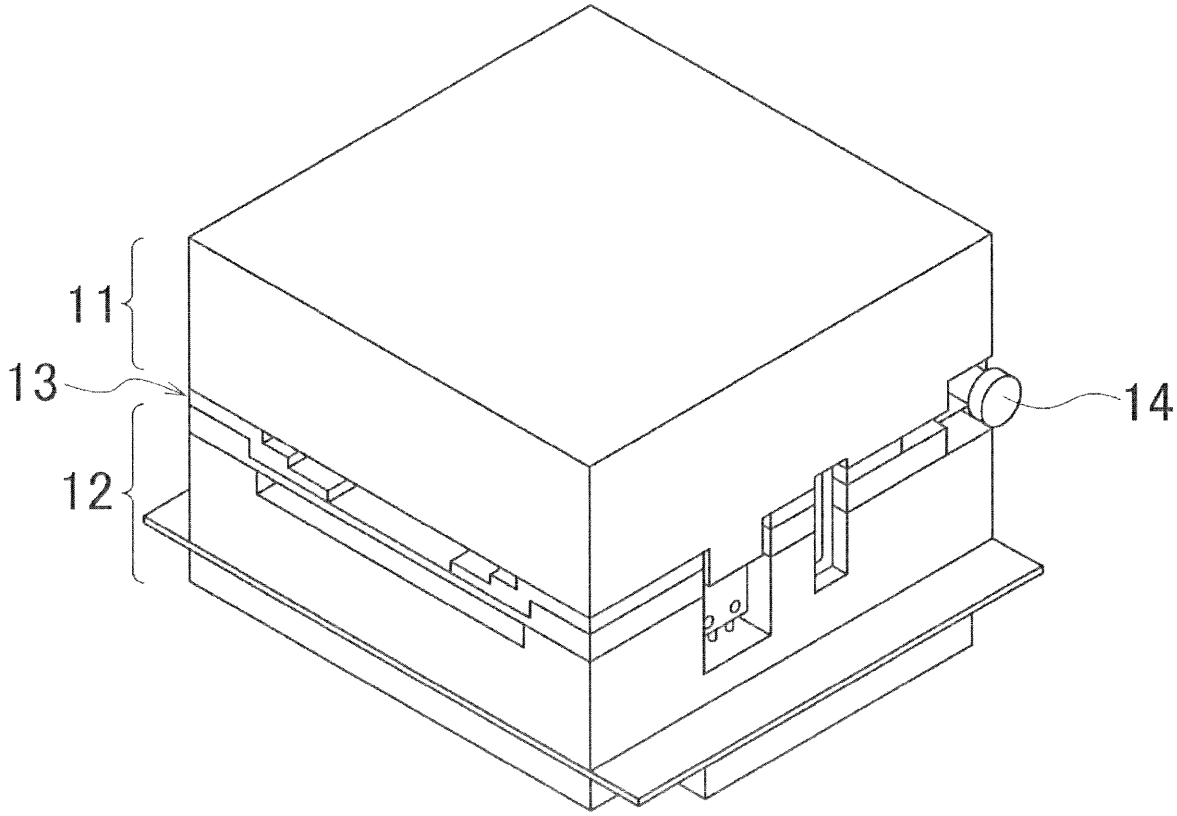


FIG. 3

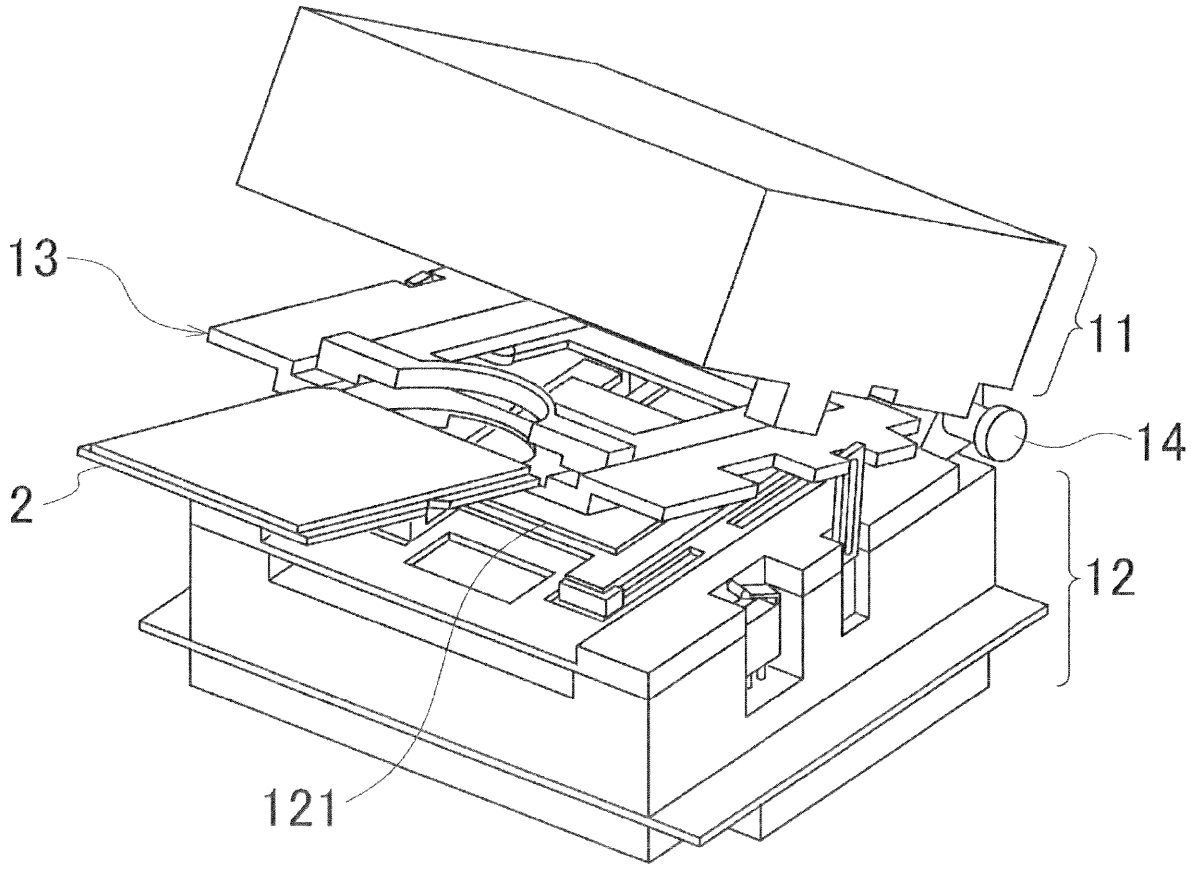


FIG. 4

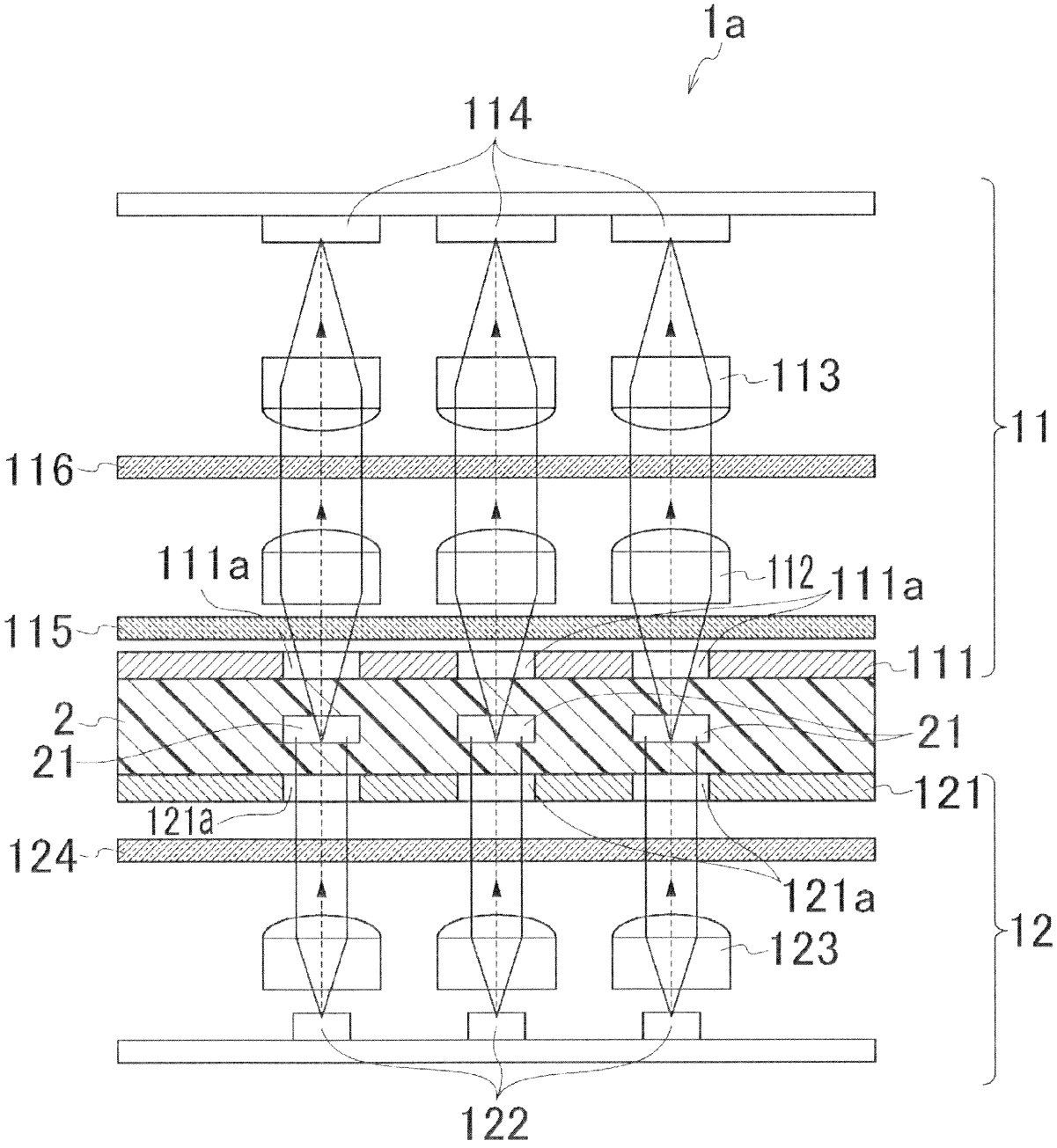

1a
114
113
11
116
111a
112
111a
115
111
2
21
21
121
121a
124
121a
123
12
122

FIG. 5

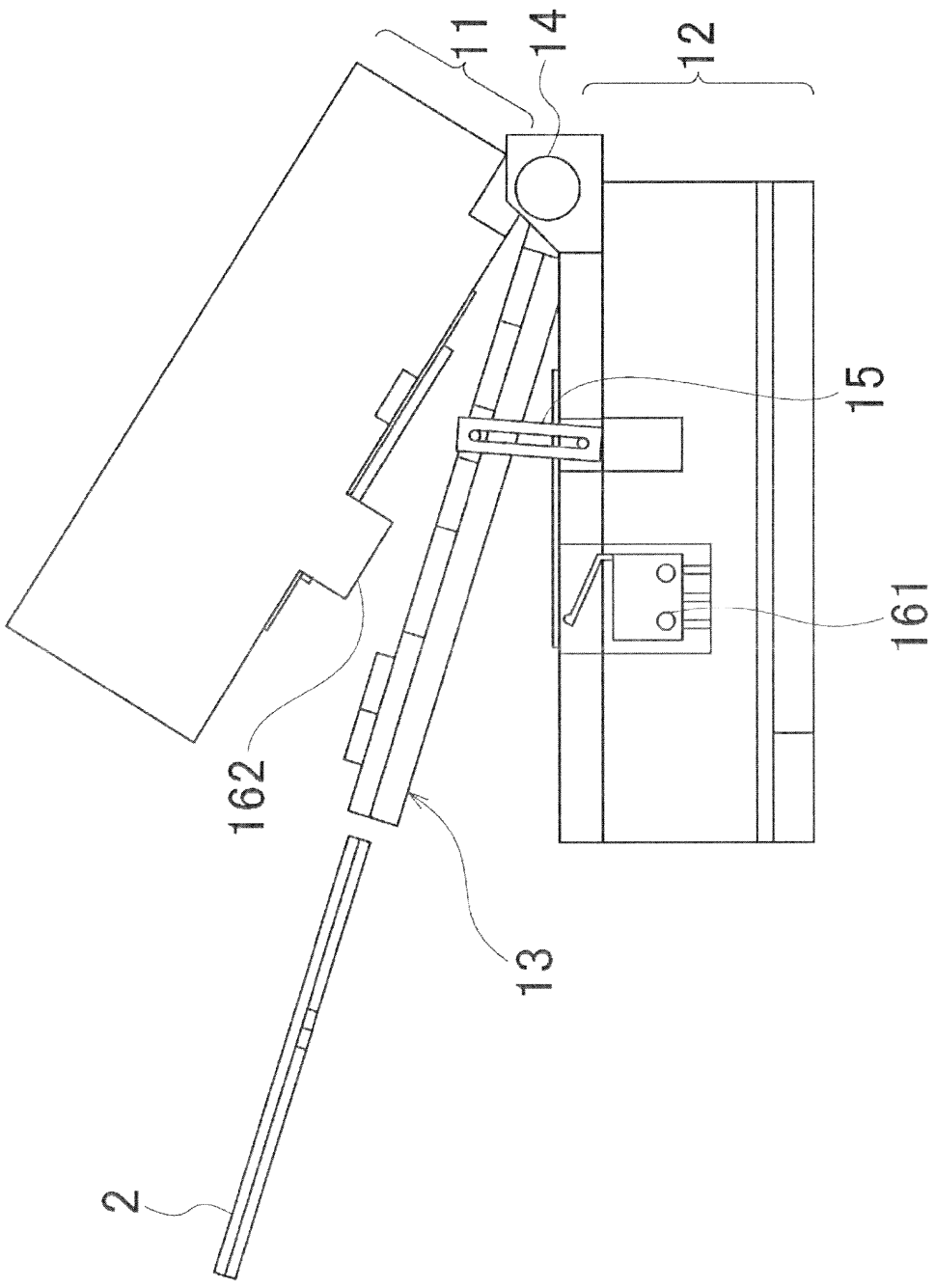


FIG. 6

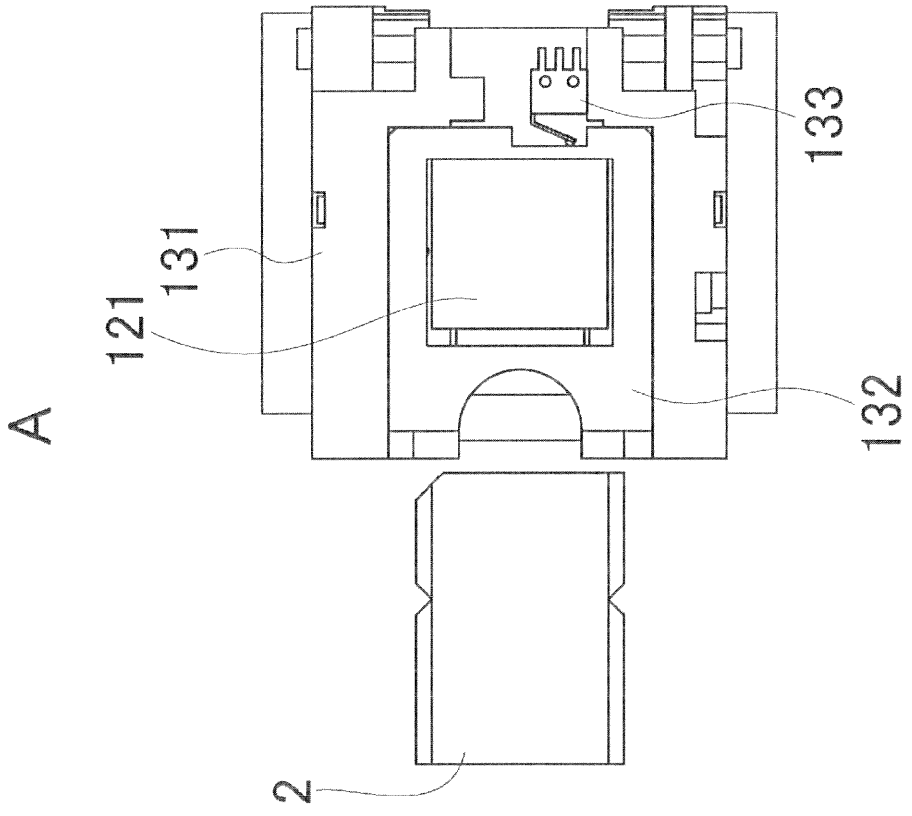


FIG. 7

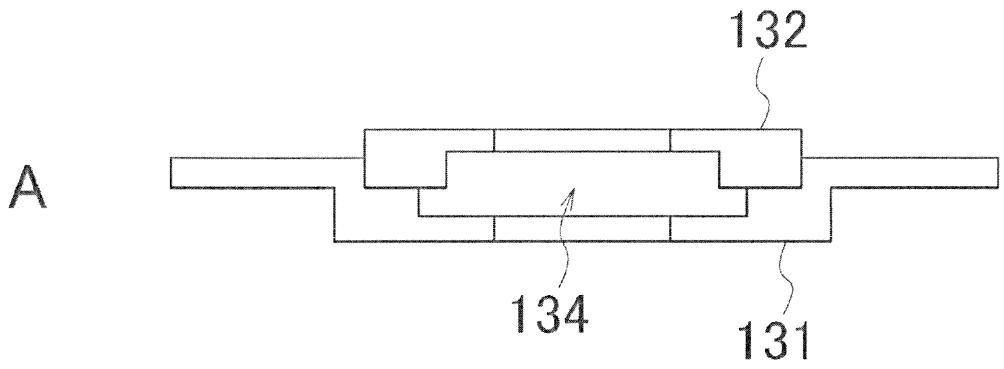
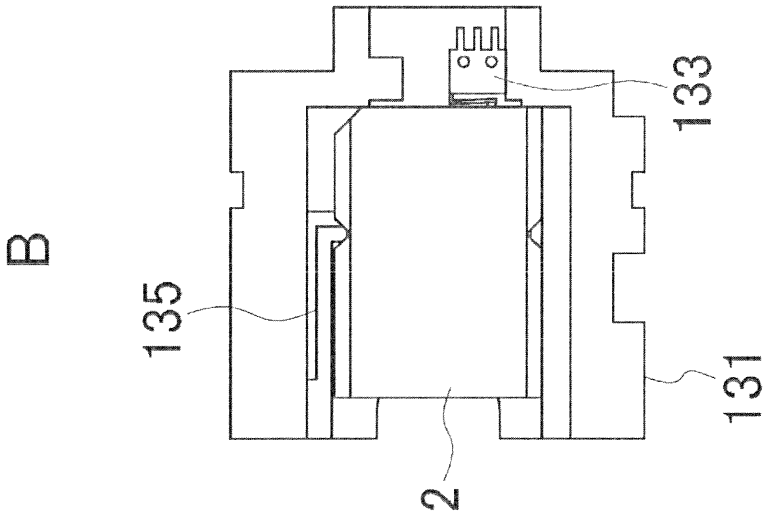


FIG. 8



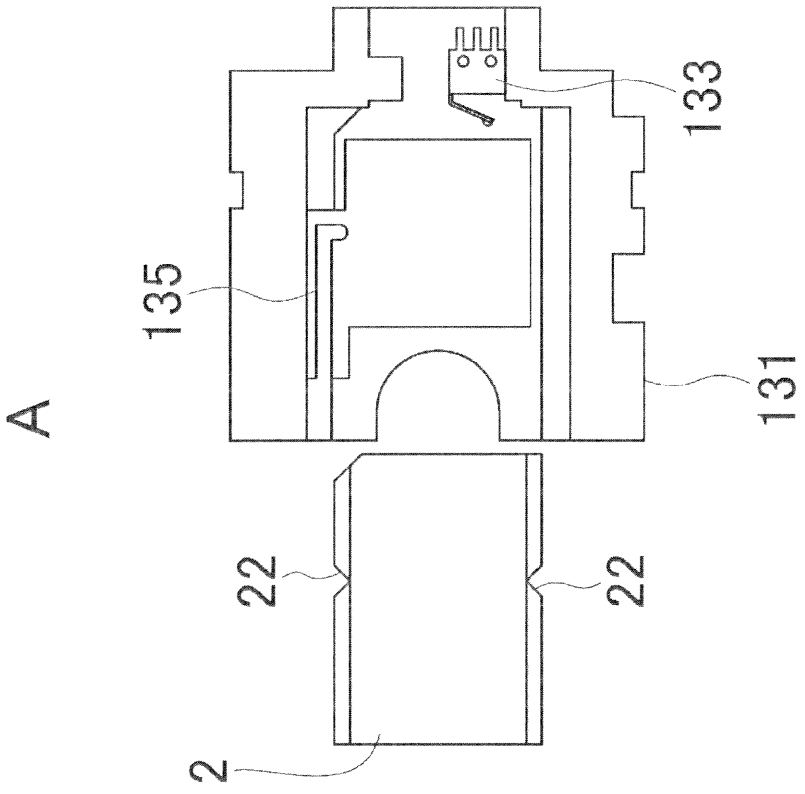
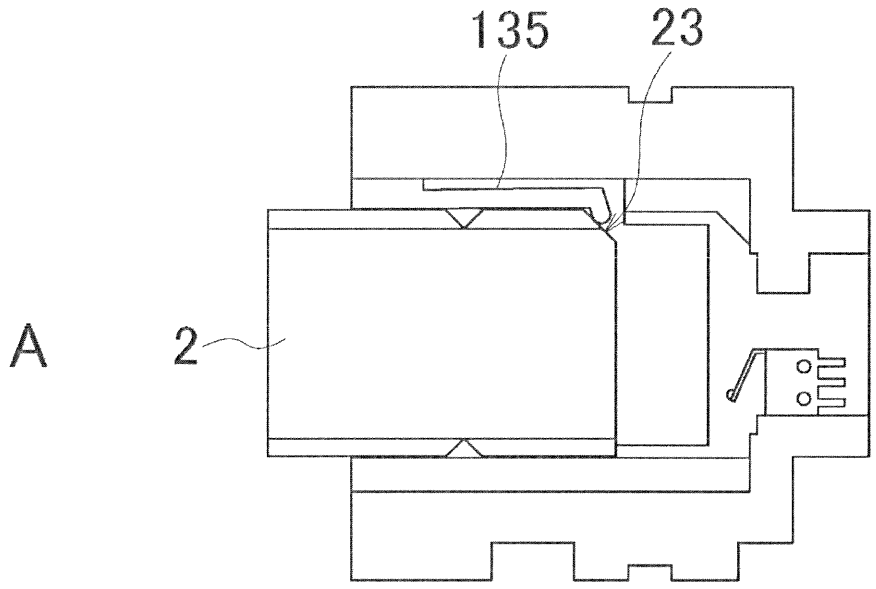


FIG. 9



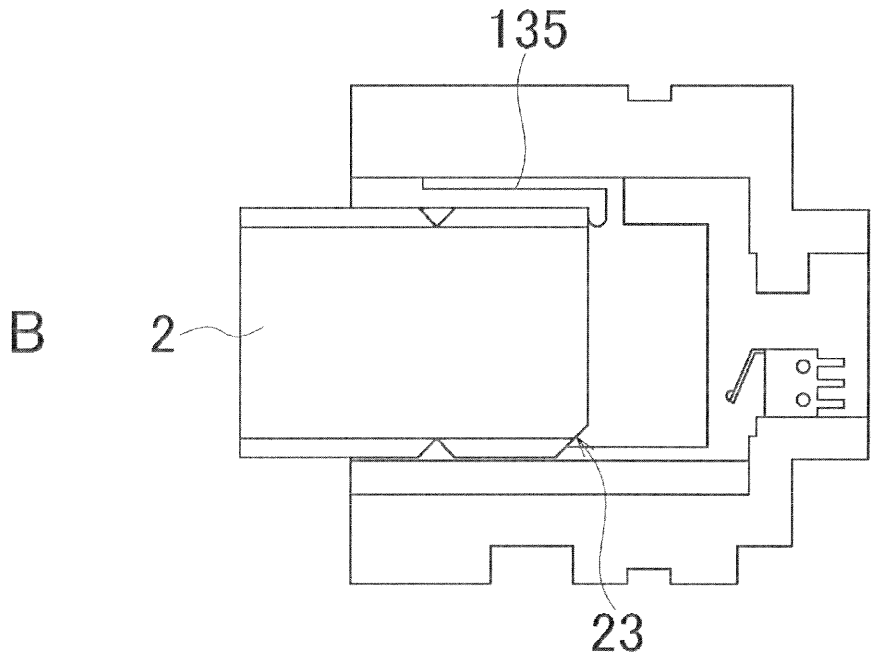
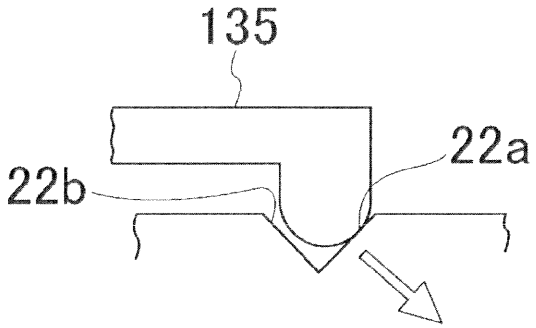


FIG. 10

A



B

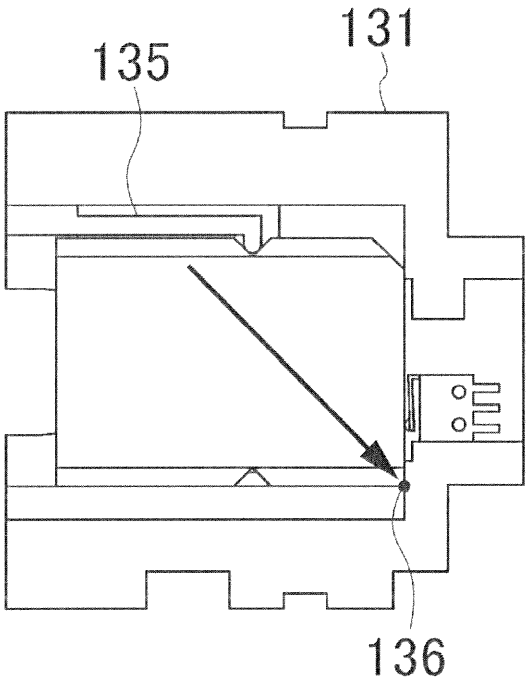
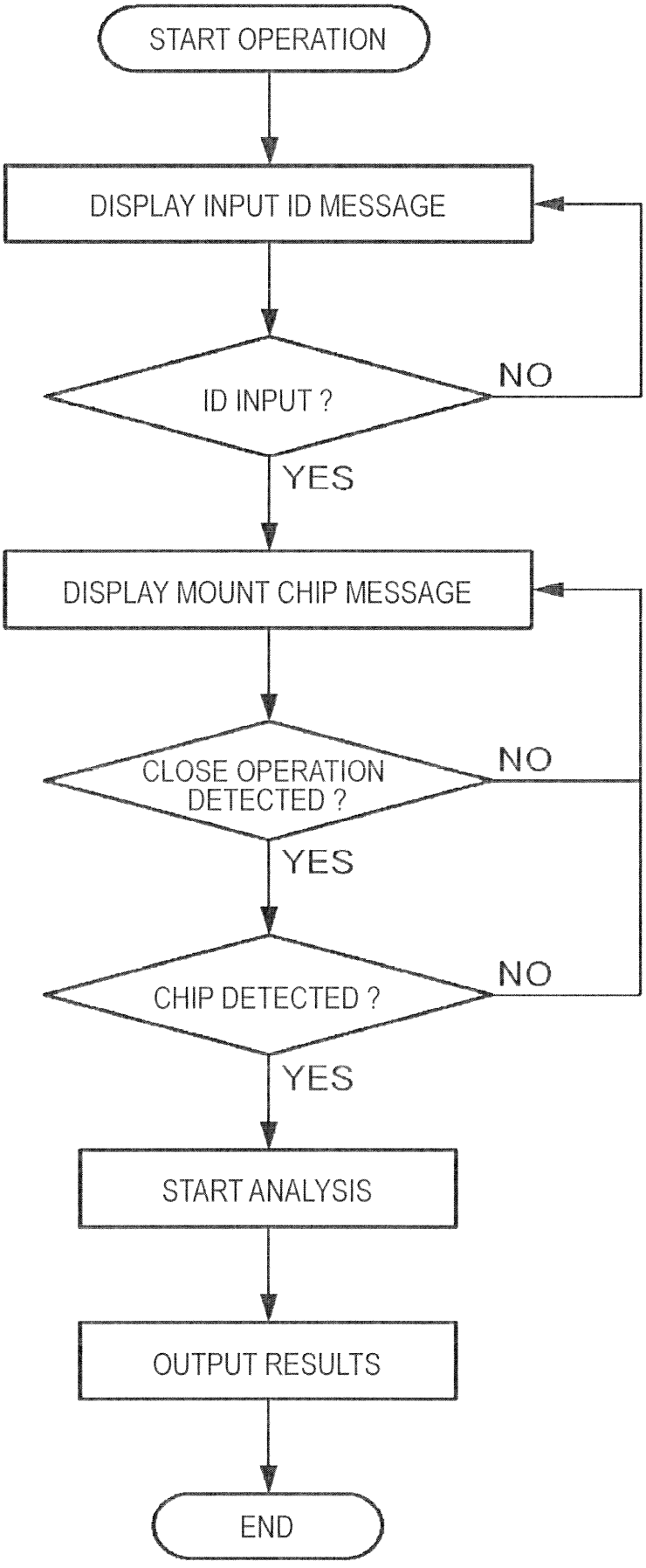


FIG. 11


START OPERATION
DISPLAY INPUT ID MESSAGE
ID INPUT ?
NO
YES
DISPLAY MOUNT CHIP MESSAGE
CLOSE OPERATION DETECTED ?
NO
YES
CHIP DETECTED ?
NO
YES
START ANALYSIS
OUTPUT RESULTS
END