FIG. 1

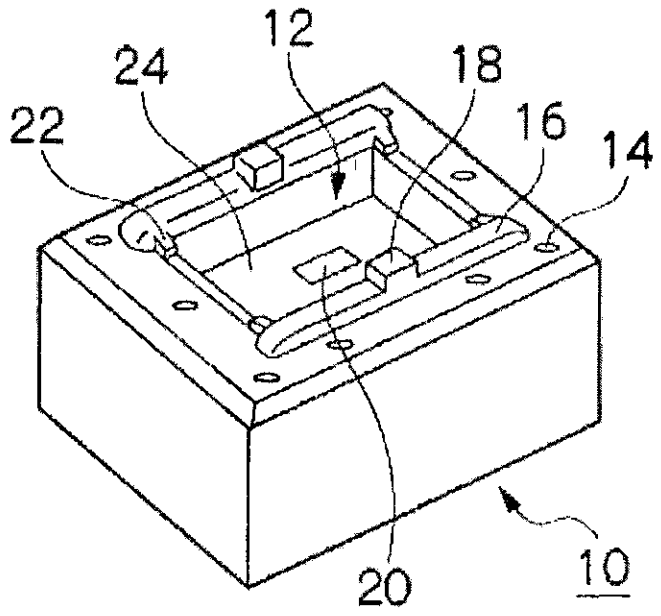


FIG. 2

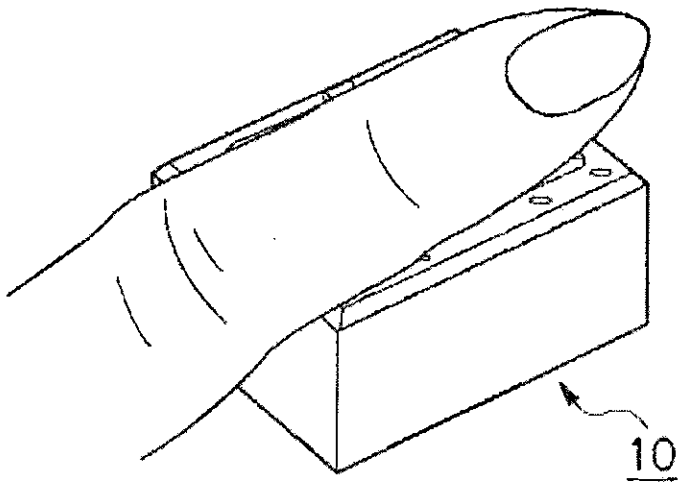


FIG. 3

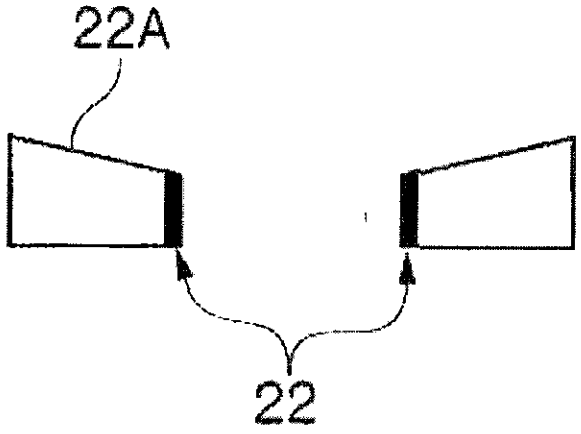


FIG. 4

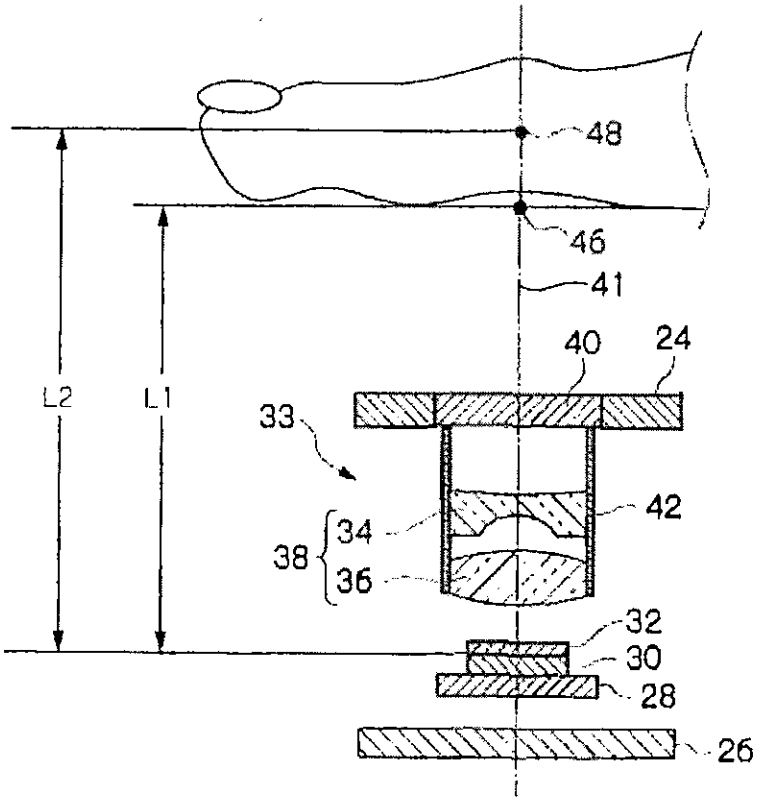


FIG. 5

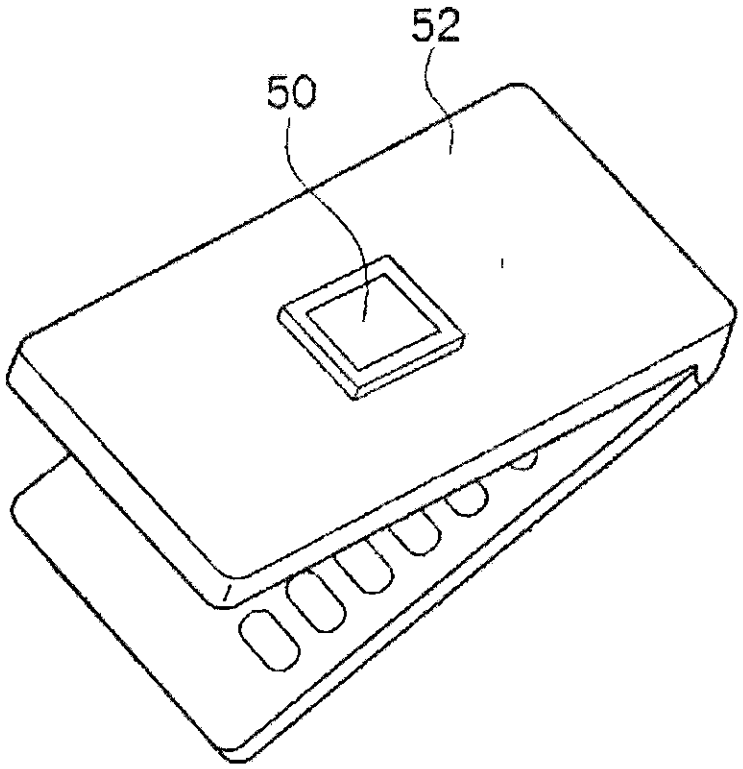


FIG. 6

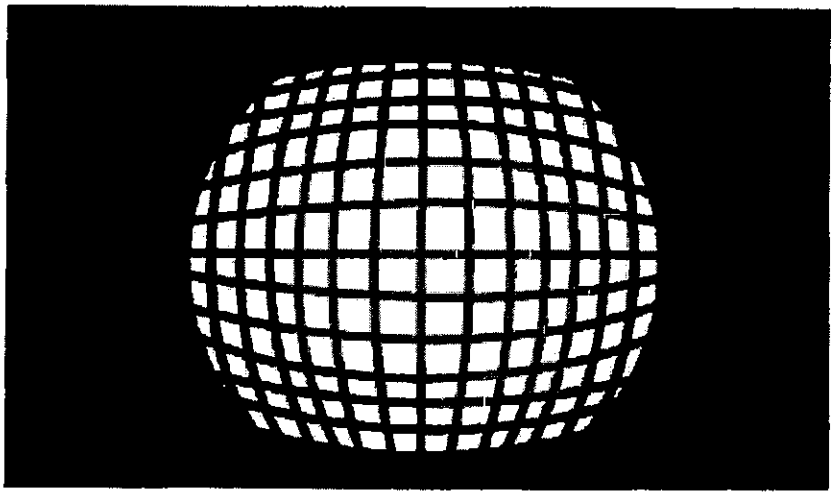


FIG. 7

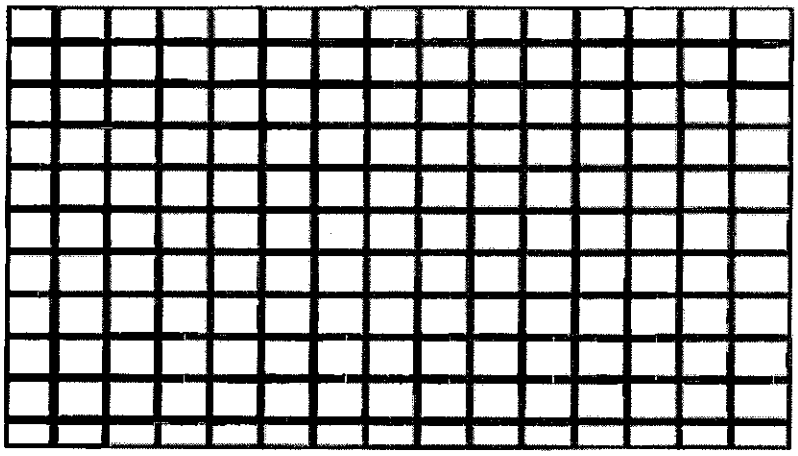


FIG. 8

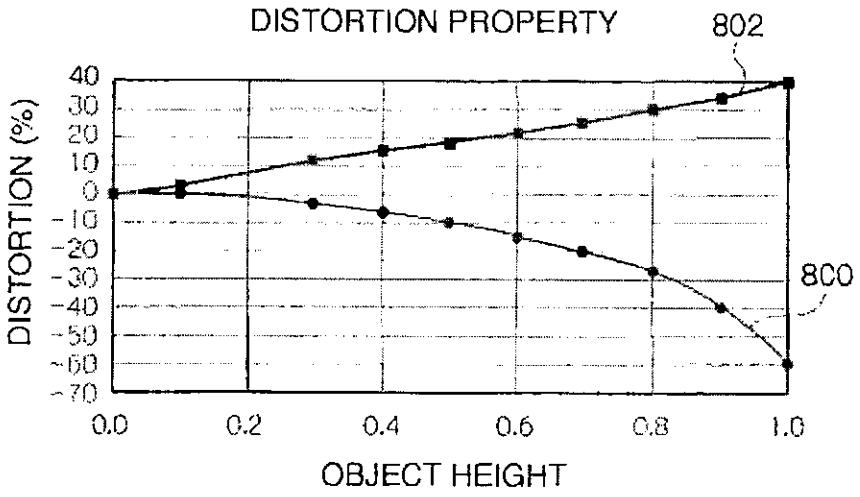

DISTORTION PROPERTY
802
800
DISTORTION (%)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
0.0
0.2
0.4
0.6
0.8
1.0
OBJECT HEIGHT

FIG. 9

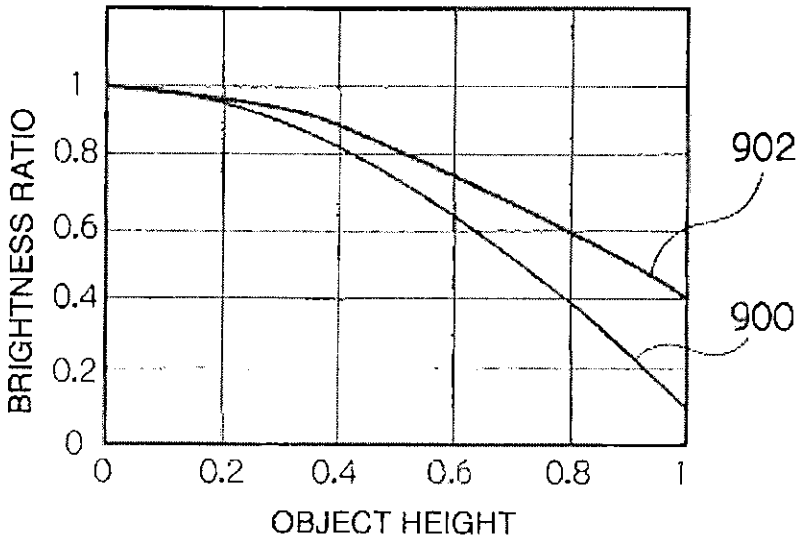

BRIGHTNESS RATIO
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
OBJECT HEIGHT
902
900

FIG. 10

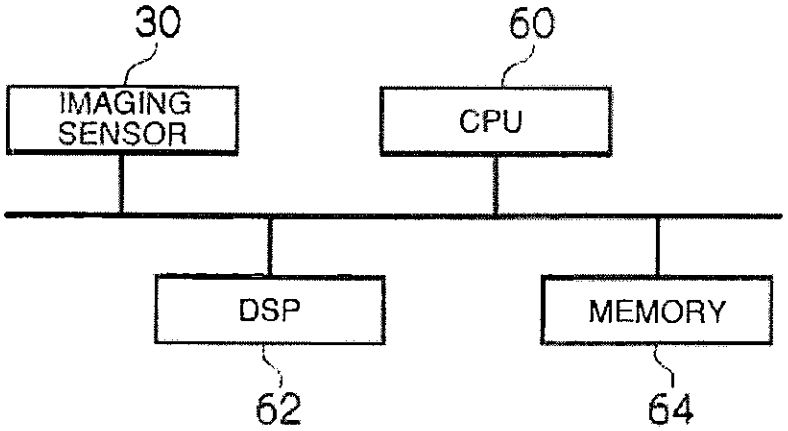

30
60
IMAGING SENSOR
CPU
DSP
MEMORY
62
64

FIG. 11A

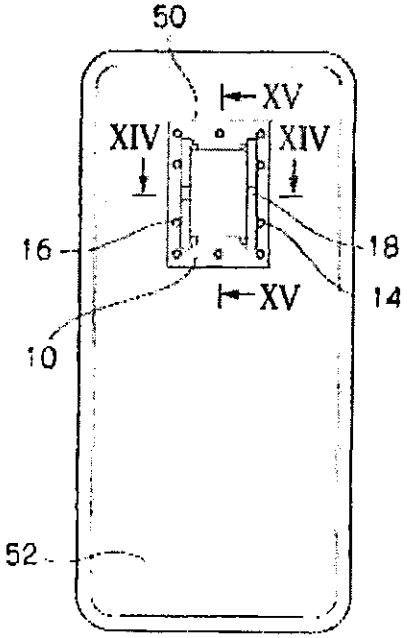


FIG. 11B

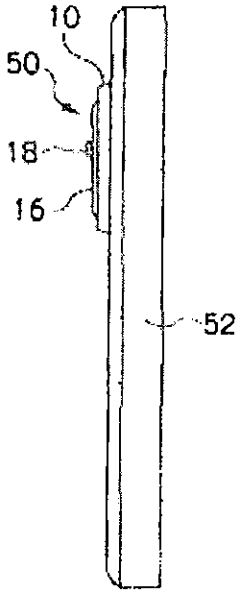


FIG. 11C



FIG. 12

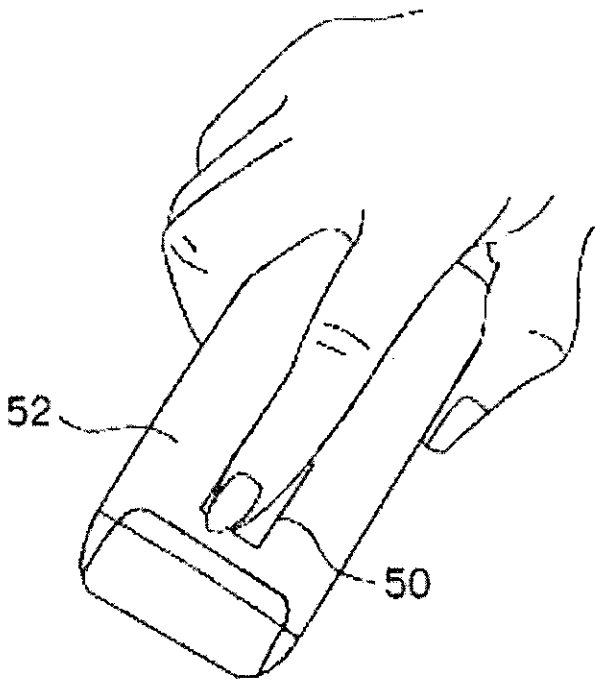


FIG. 13

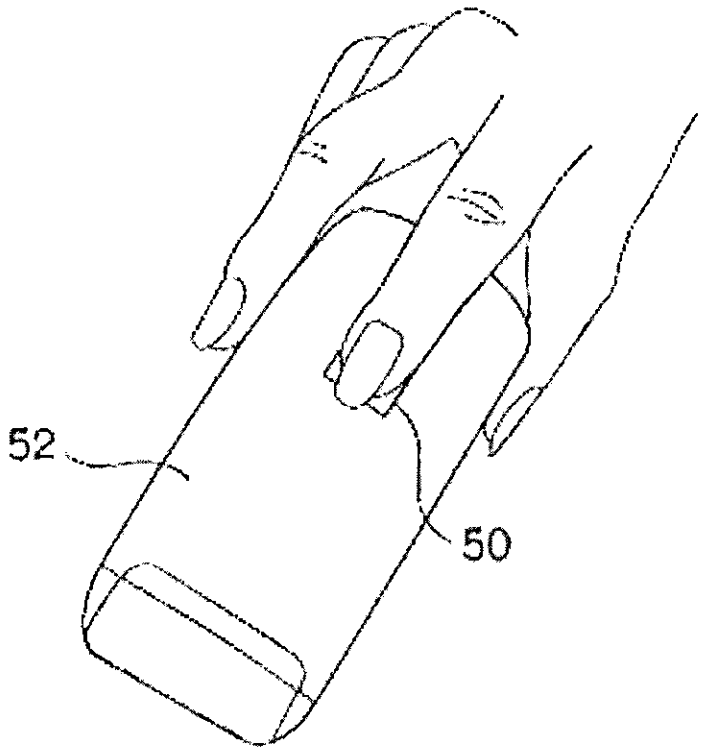


FIG. 14

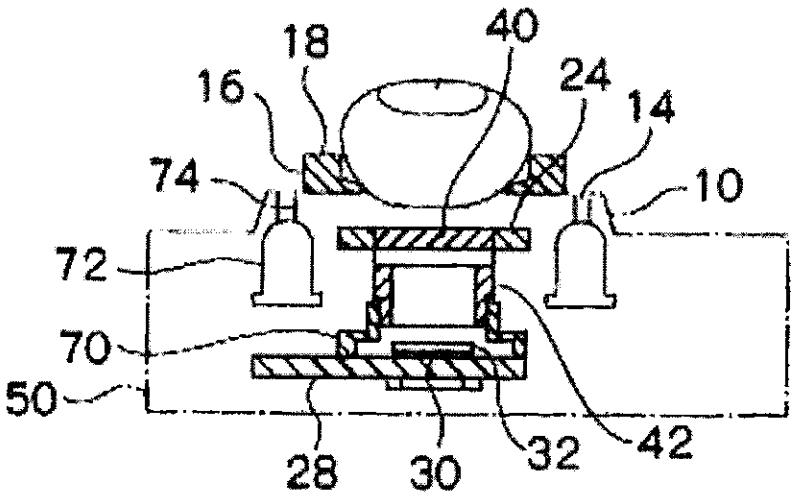

18
40
16
24
14
74
10
72
70
50
28
30
32
42

FIG. 15

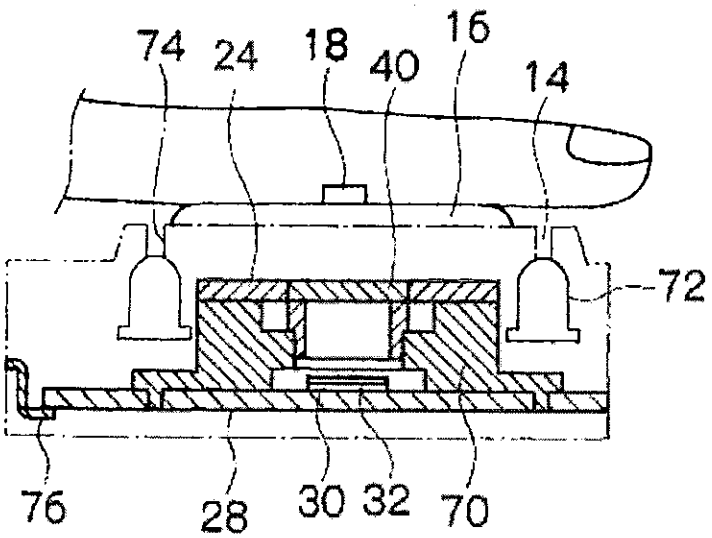

74
24
18
40
16
14
72
76
28
30
32
70

FIG. 16A FIG. 16B FIG. 16C

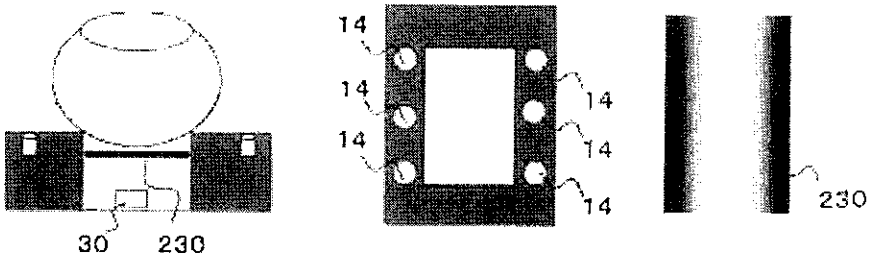


FIG. 17

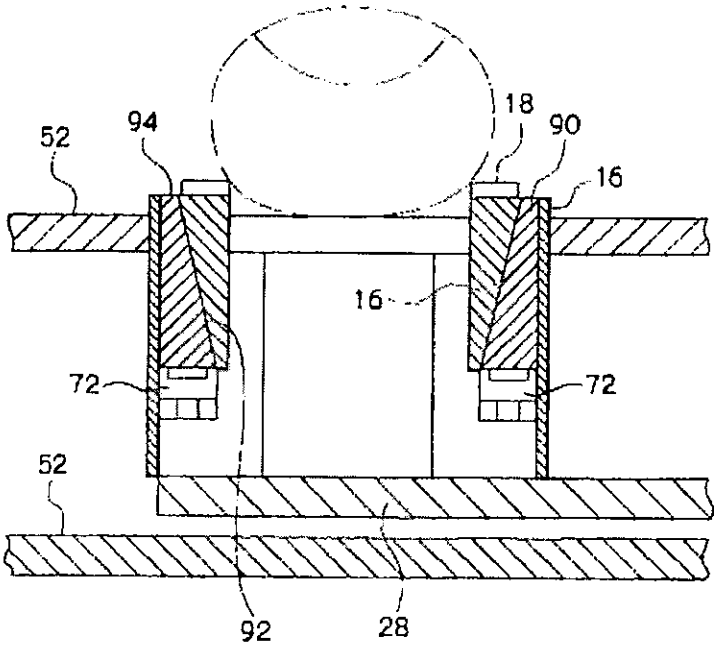


FIG. 18

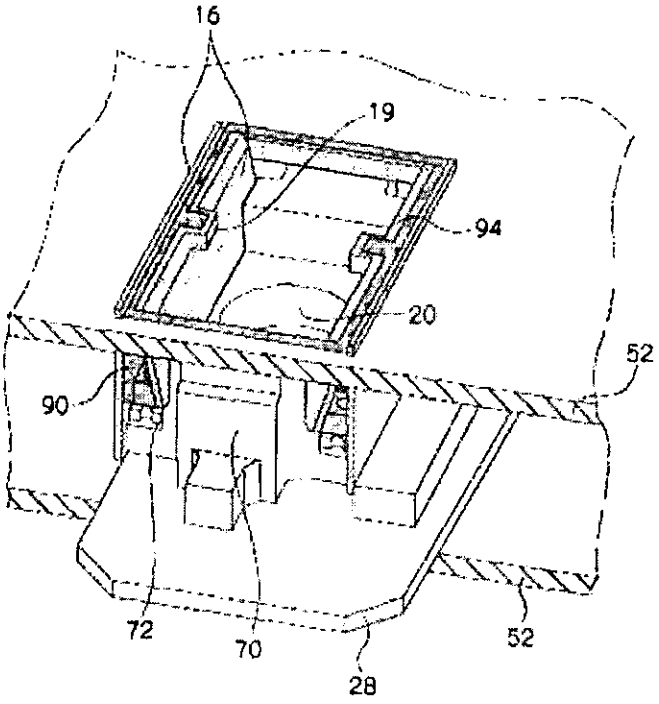


FIG. 19

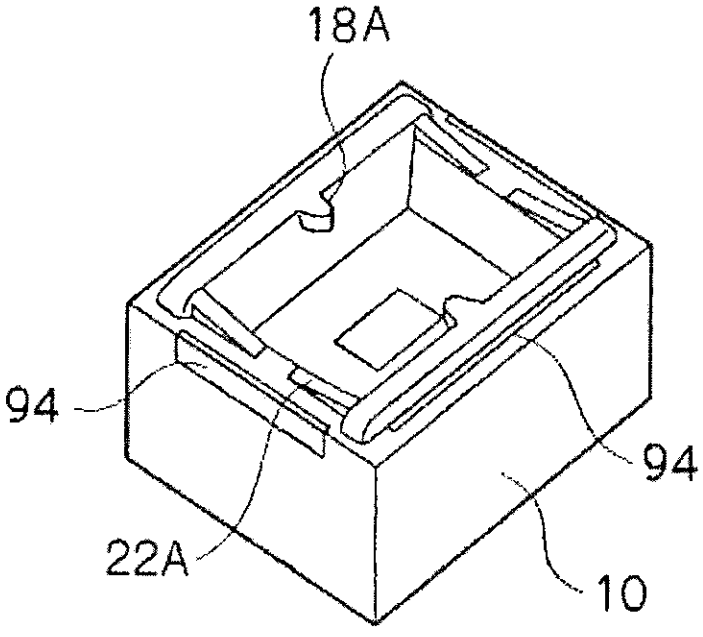


FIG. 20A

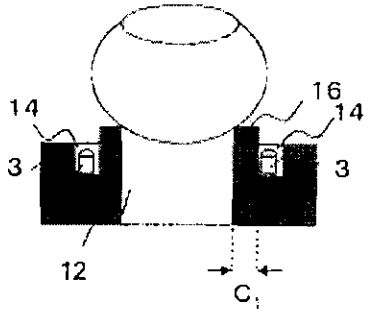


FIG. 20B

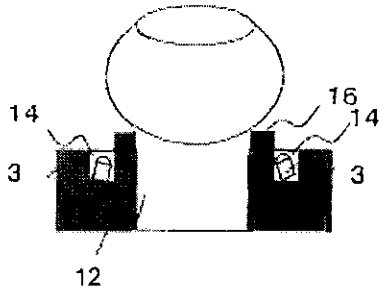


FIG. 21A

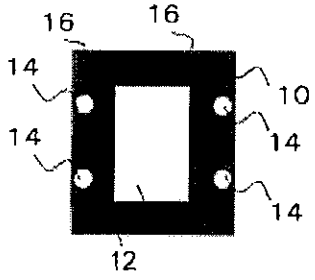


FIG. 21B

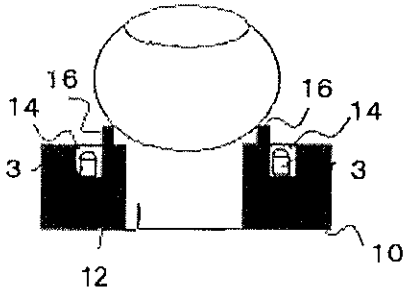


FIG. 22A

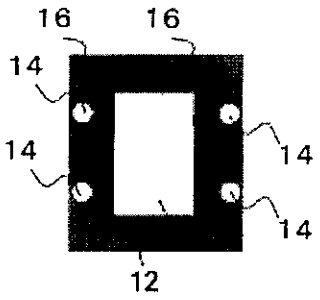


FIG. 22B

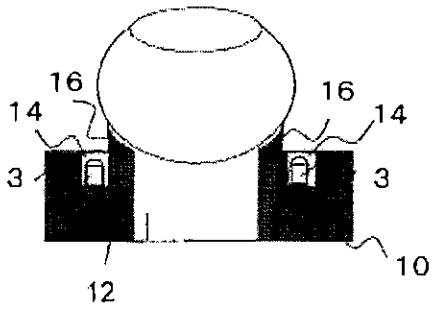


FIG. 23A

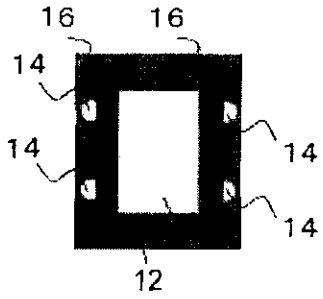


FIG. 23B

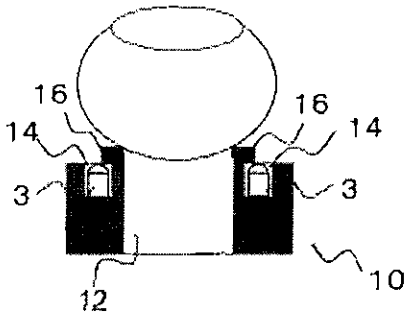


FIG. 24A

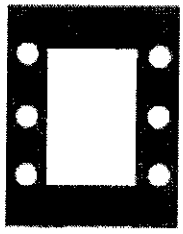


FIG. 24B

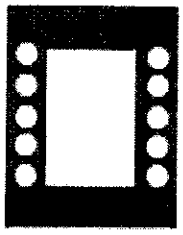


FIG. 24C

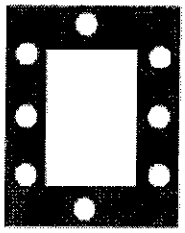


FIG. 24D

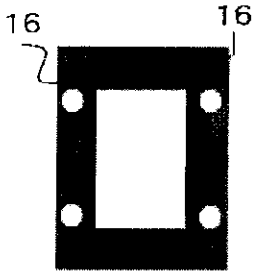


FIG. 24E

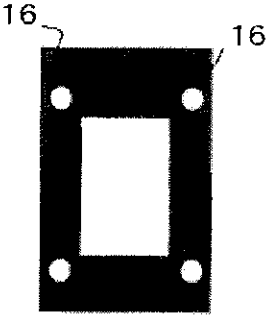


FIG. 24F

