FIG. 1

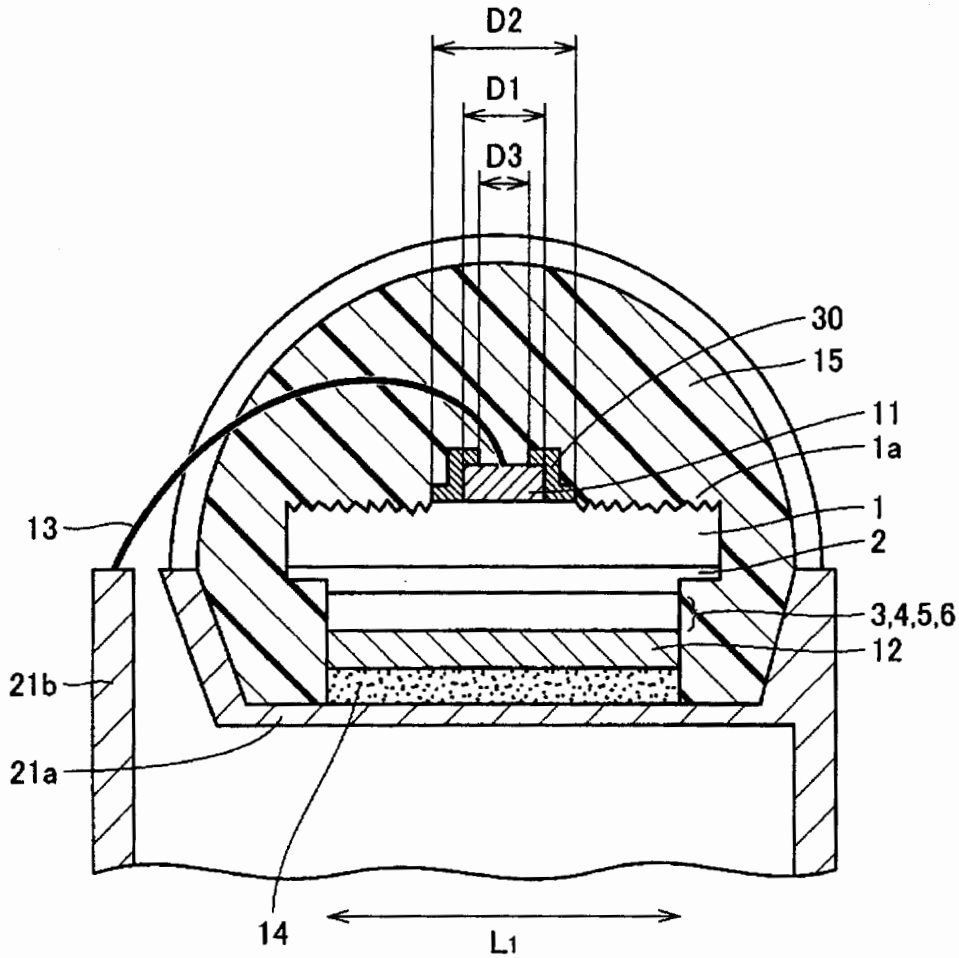


FIG. 2

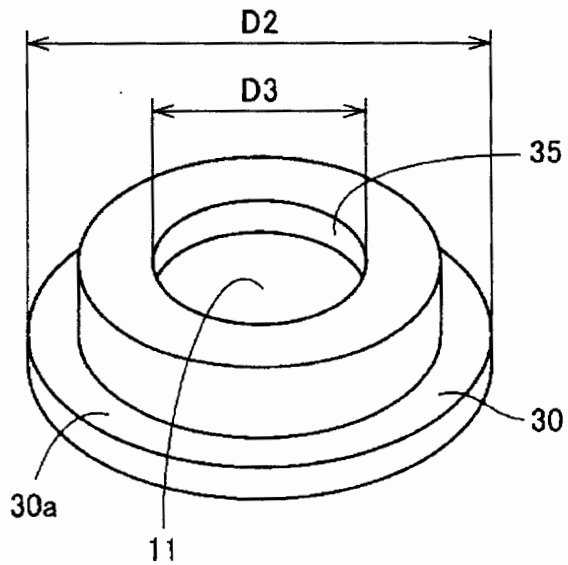


FIG. 3

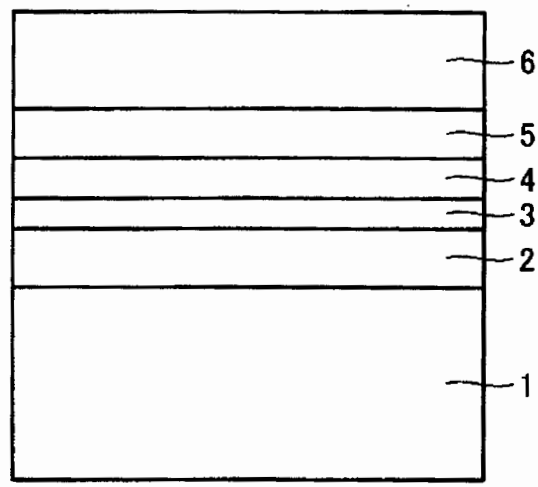


FIG. 4

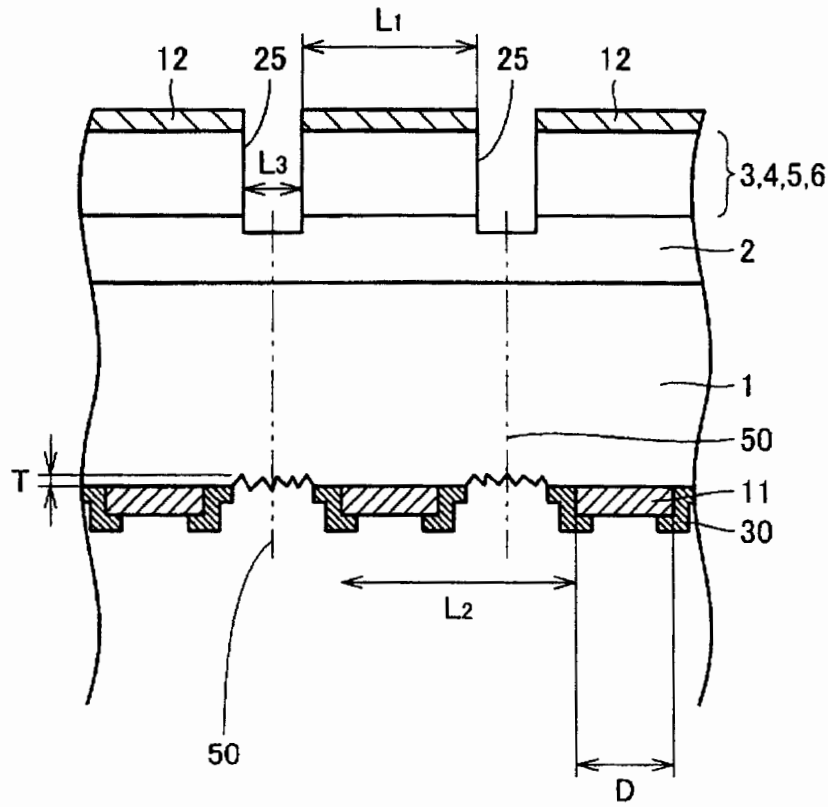


FIG. 5

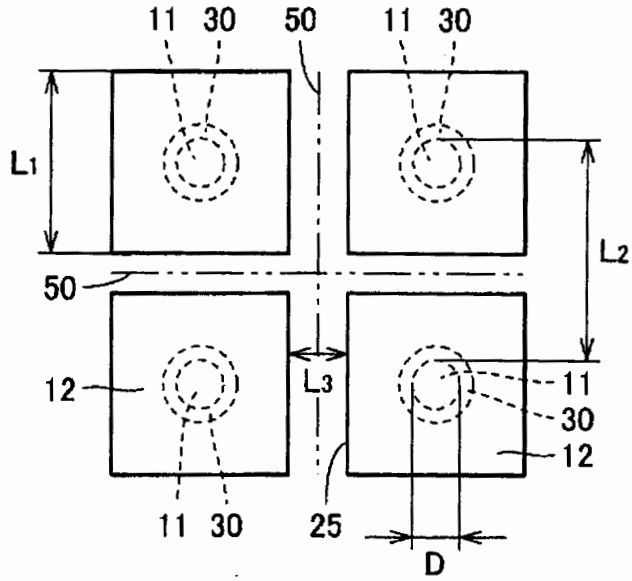

11
30
50
11
30
L1
L2
50
12
L3
11
30
12
11
30
25
D

FIG. 6

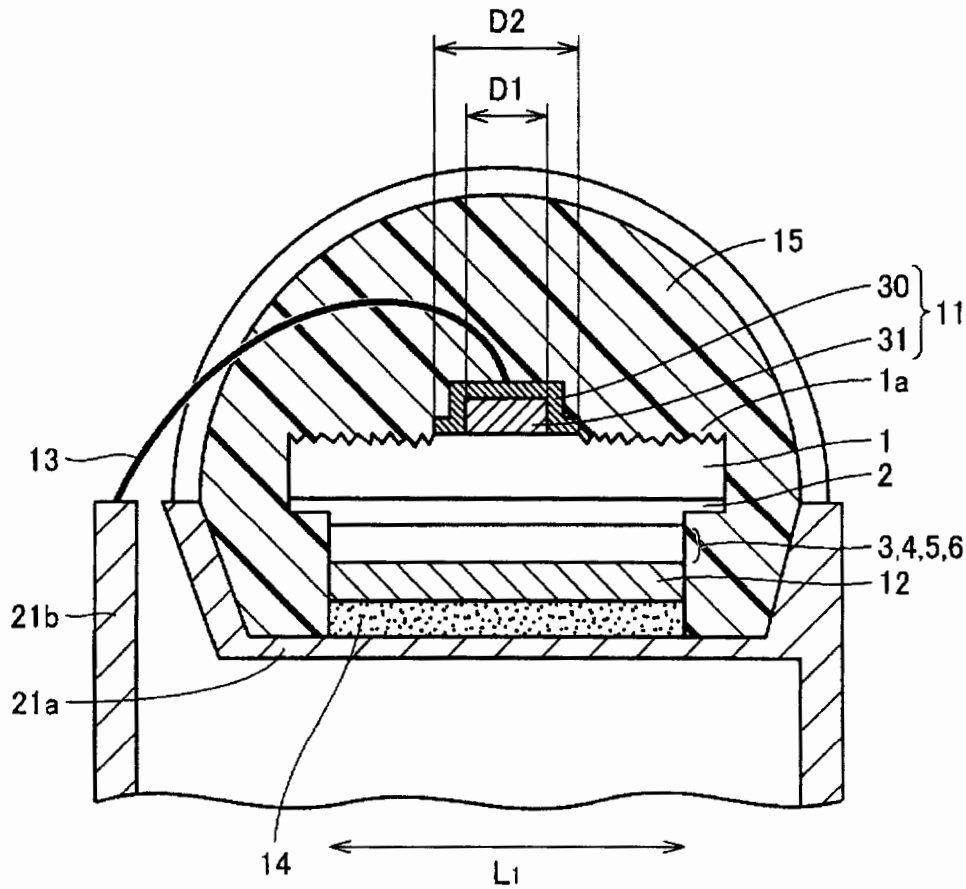

D2
D1
15
30
31
11
1a
13
1
2
3,4,5,6
12
21b
21a
14
L1

FIG. 7

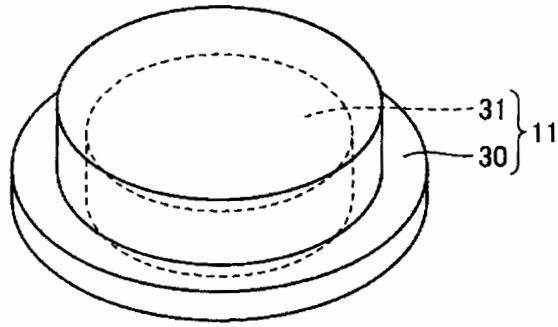


FIG. 8

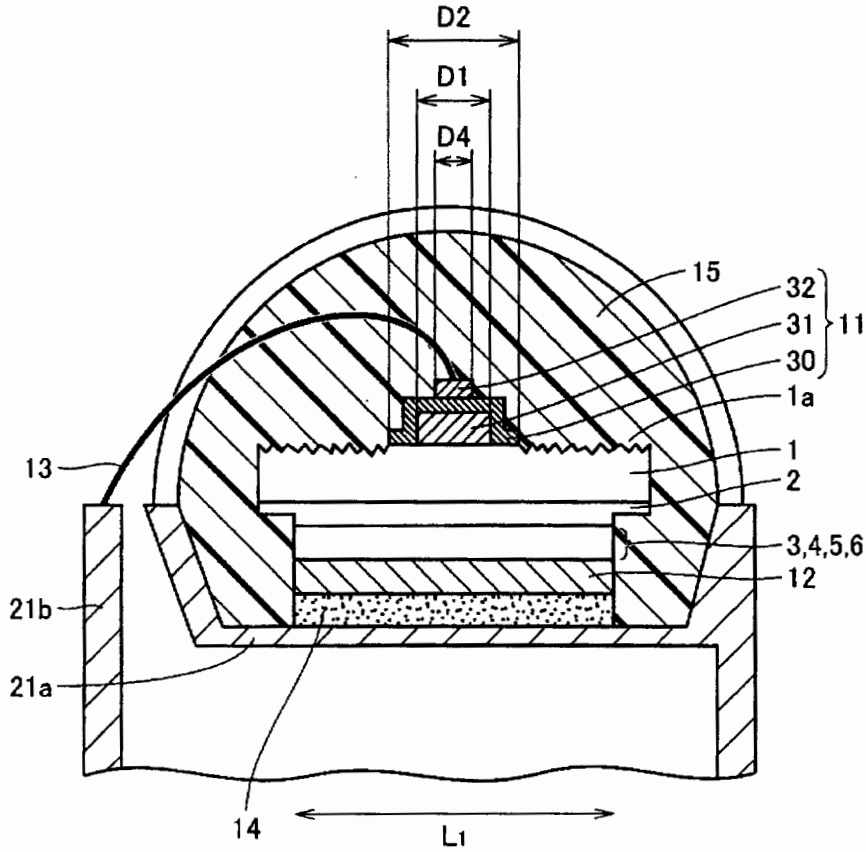


FIG. 9

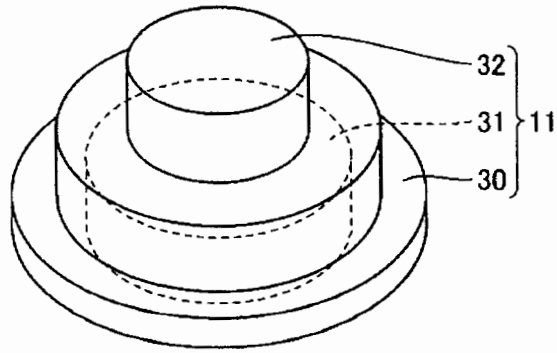


FIG. 10

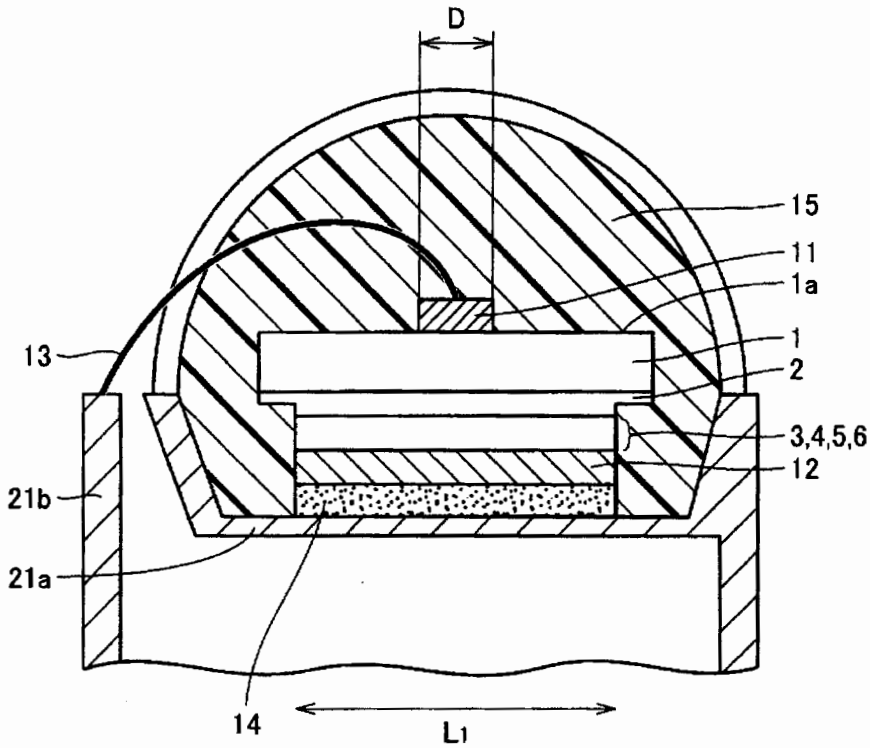

D
15
11
1a
1
2
13
3,4,5,6
12
21b
21a
14
L1

FIG. 11

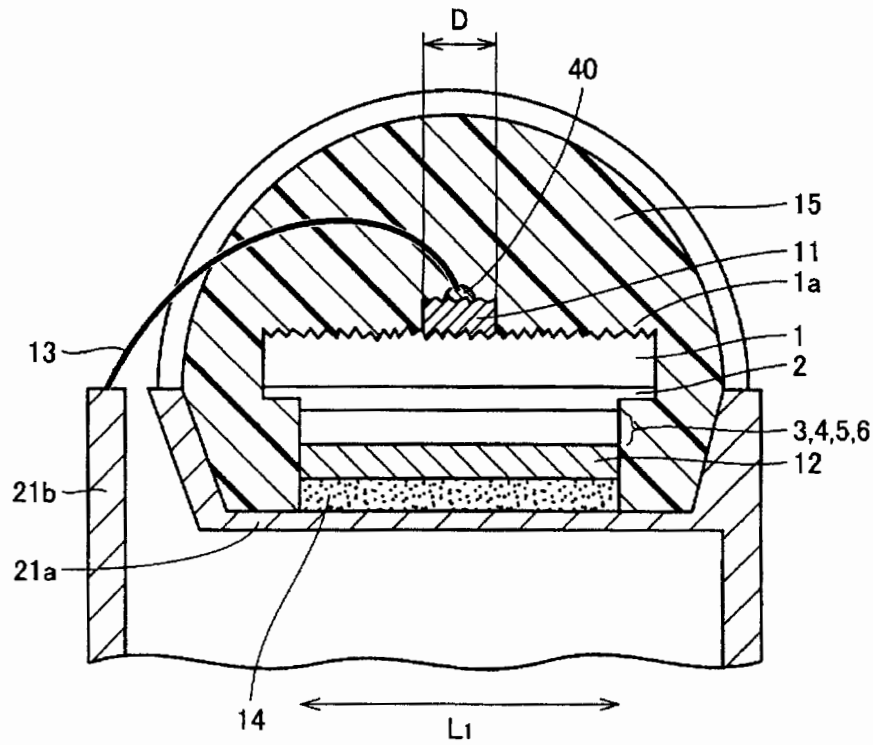
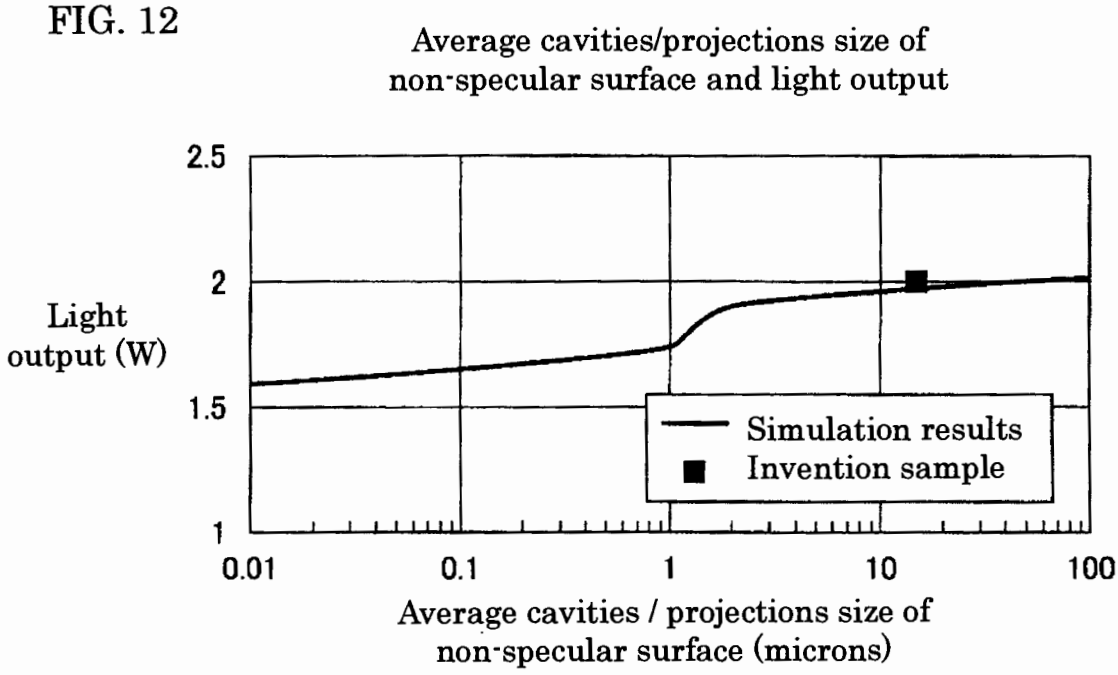

D
40
15
11
1a
1
2
13
3,4,5,6
12
21b
21a
14
L1

FIG. 12


Average cavities/projections size of
non-specular surface and light output
Light
output (W)
2.5
2
1.5
1
0.01
0.1
1
10
100
Simulation results
Invention sample
Average cavities / projections size of
non-specular surface (microns)