FIG.1

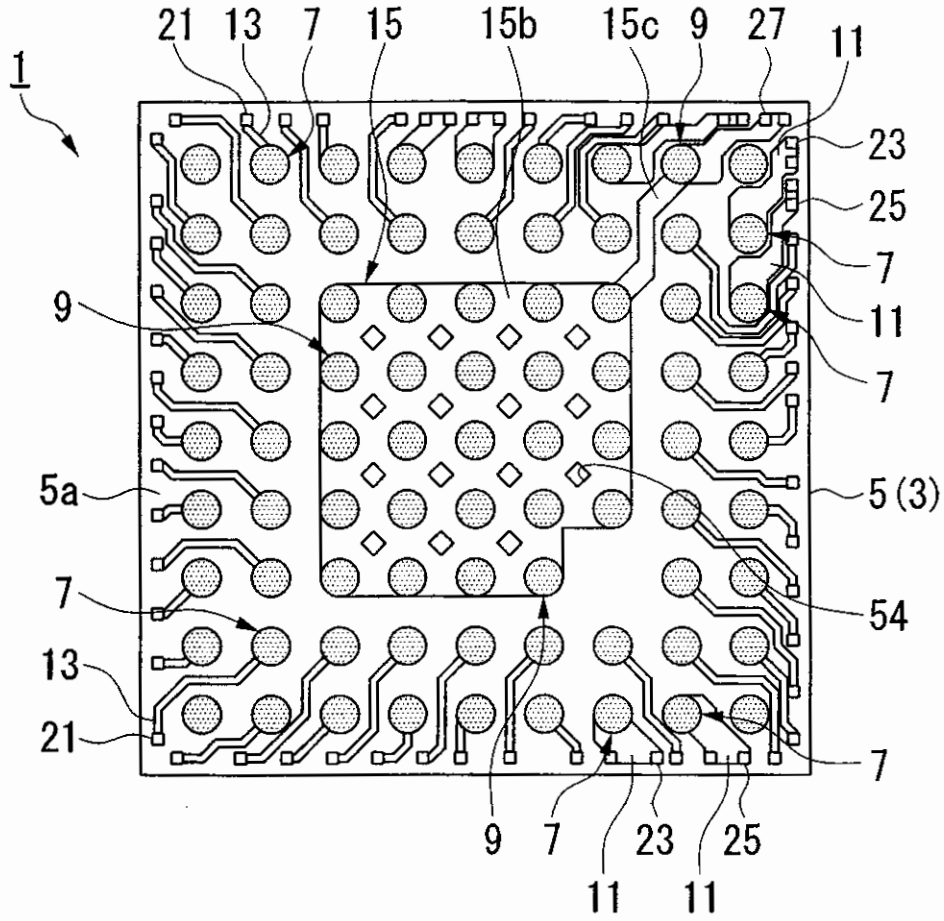

1
21
13
7
15
15b
15c
9
27
11
23
25
7
11
7
9
5a
5 (3)
54
7
13
21
7
9
7
23
25
11
11

FIG.2

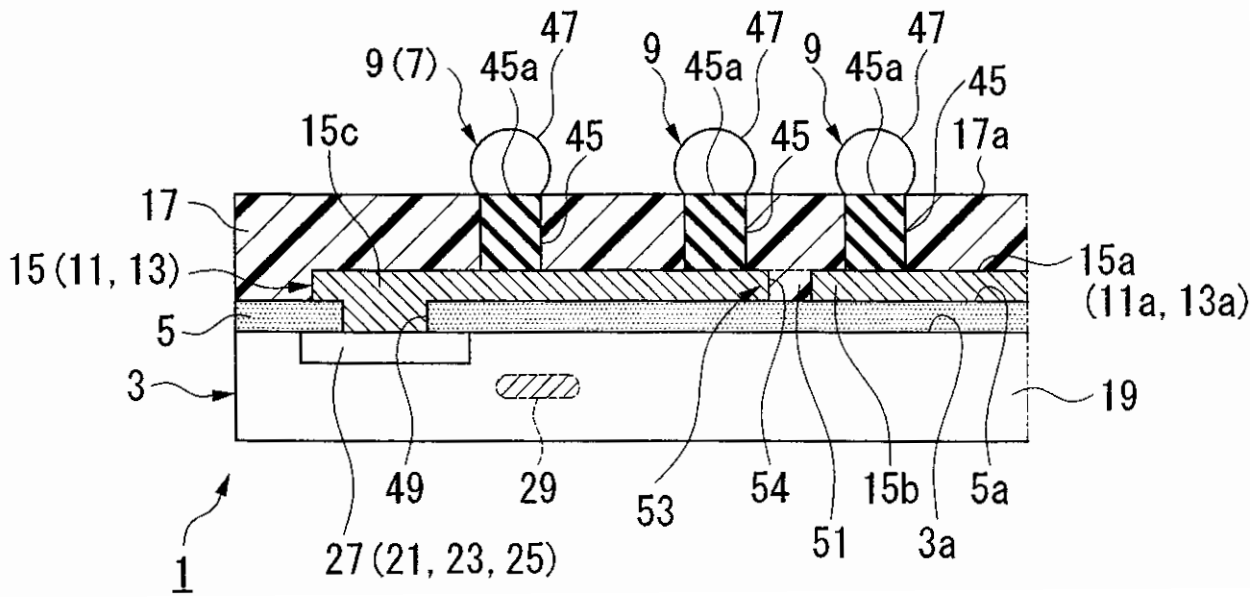

9 (7)
45a
47
9
45a
47
9
45a
47
45
15c
45
45
17a
17
15 (11, 13)
15a
(11a, 13a)
5
3
19
1
49
29
53
54
15b
5a
27 (21, 23, 25)
51
3a

FIG. 3

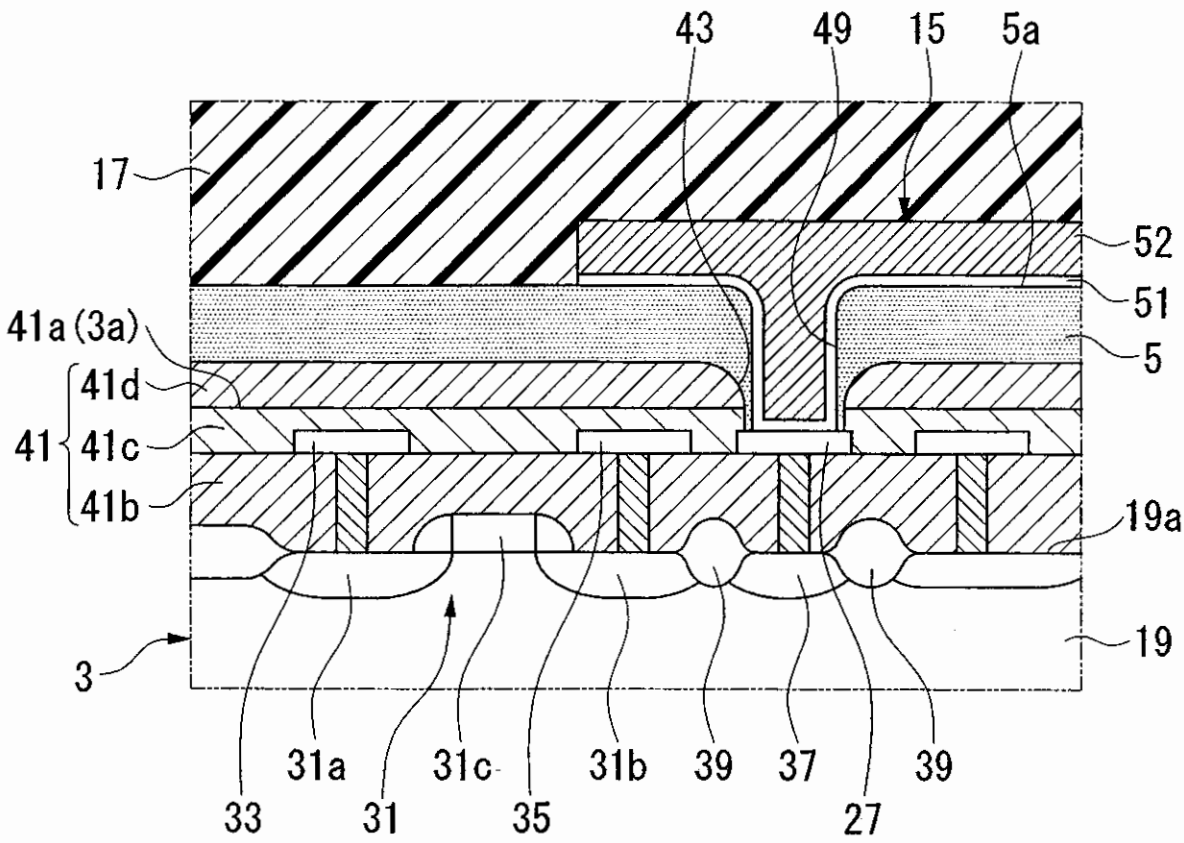

43
49
15
5a
17
52
51
41a (3a)
5
41d
41
41c
41b
19a
3
19
33
31a
31
31c
35
31b
39
37
27
39

FIG. 4A

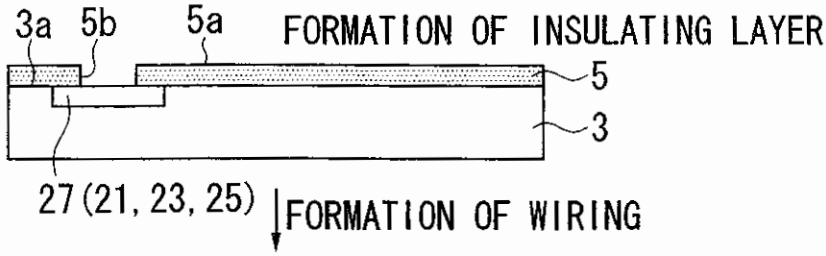
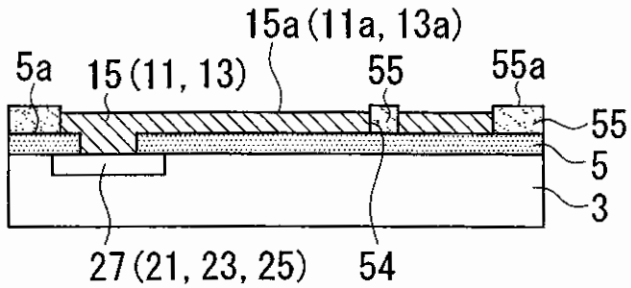
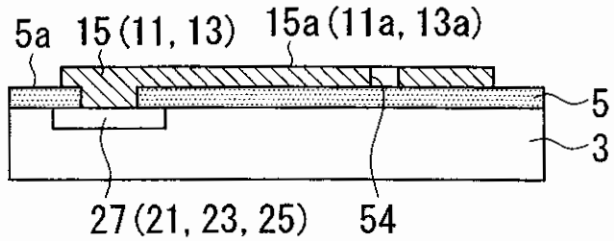


FIG. 4B



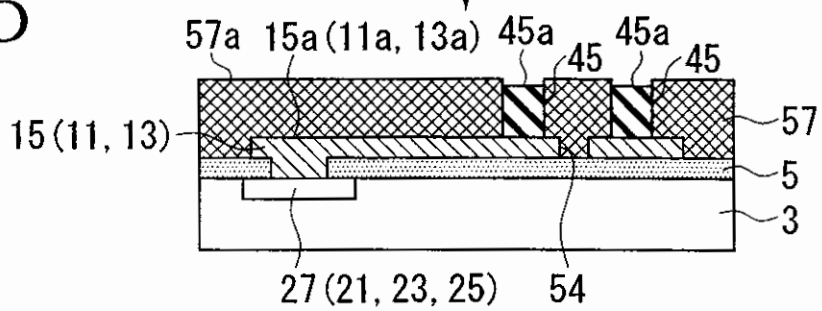
REMOVAL OF RESIST LAYER

FIG. 4C



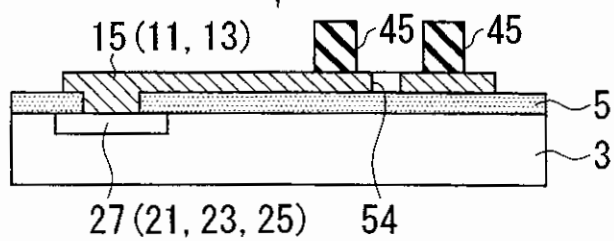
FORMATION OF POSTS

FIG. 4D



REMOVAL OF RESIST LAYER

FIG. 4E



FORMATION OF MOLDED RESIN
ATTACHMENT OF SOLDER BALLS

FIG. 4F

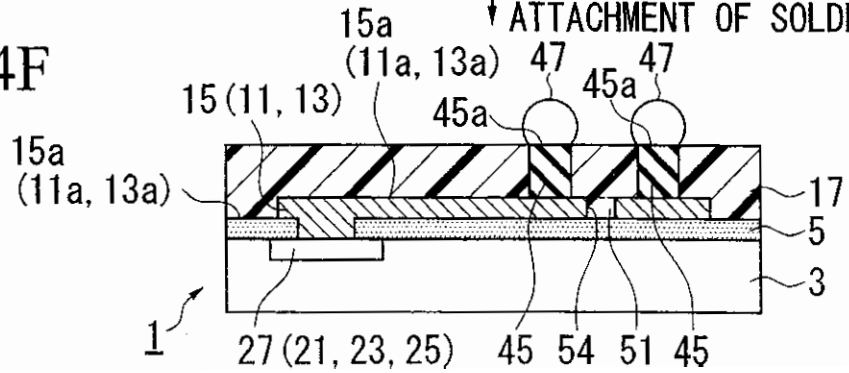


FIG. 5

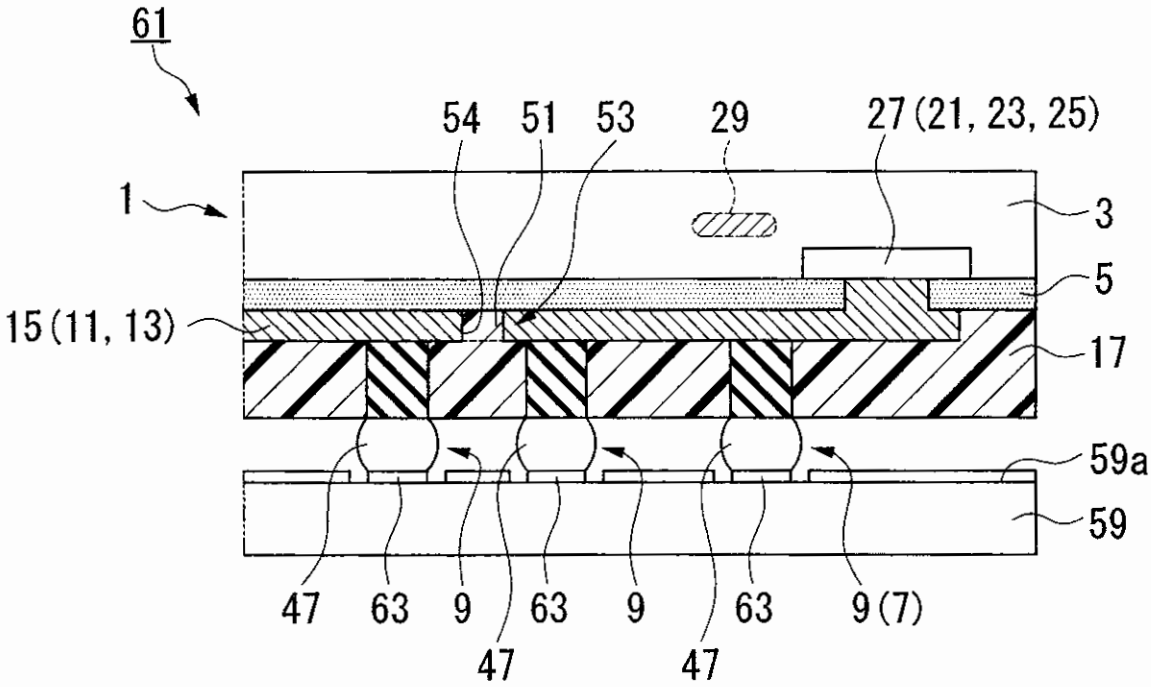

61
54
51
53
29
27 (21, 23, 25)
1
3
5
15 (11, 13)
17
59a
59
47
63
9
63
9
63
9 (7)
47
47

FIG. 6

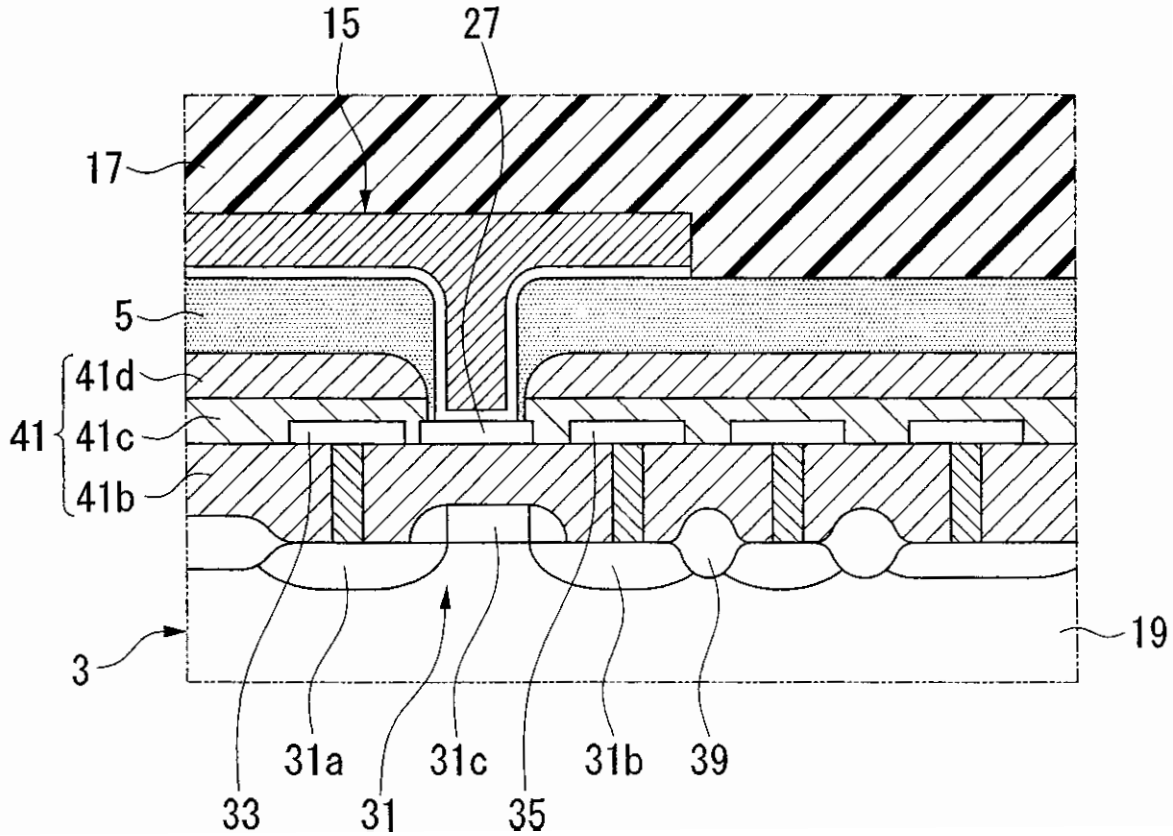

15
27
17
5
41d
41
41c
41b
3
19
33
31a
31
31c
35
31b
39

FIG. 7

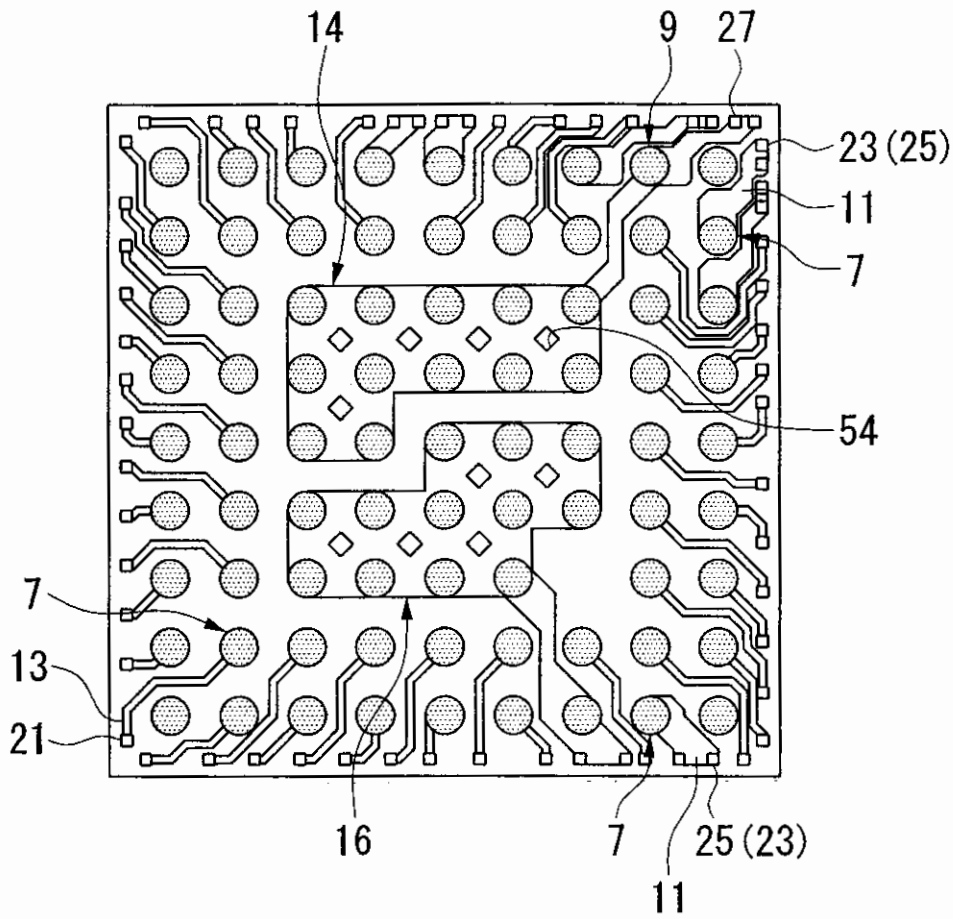


FIG. 8

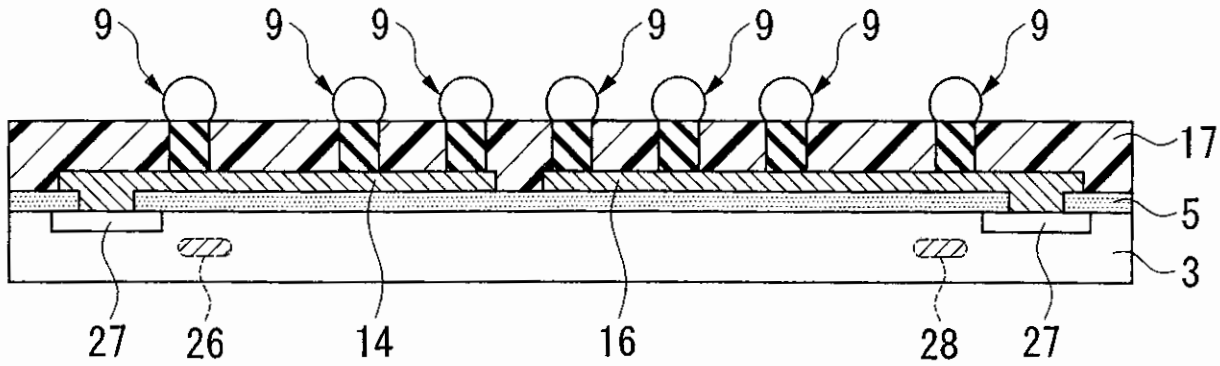


FIG. 9

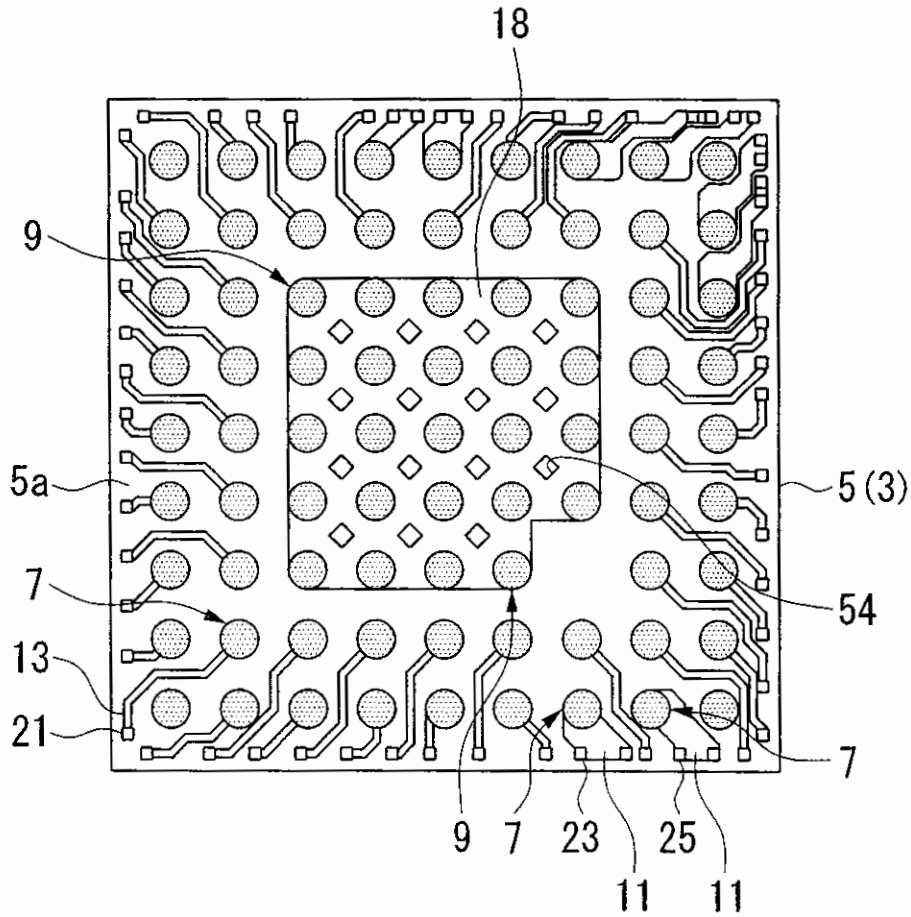


FIG. 10

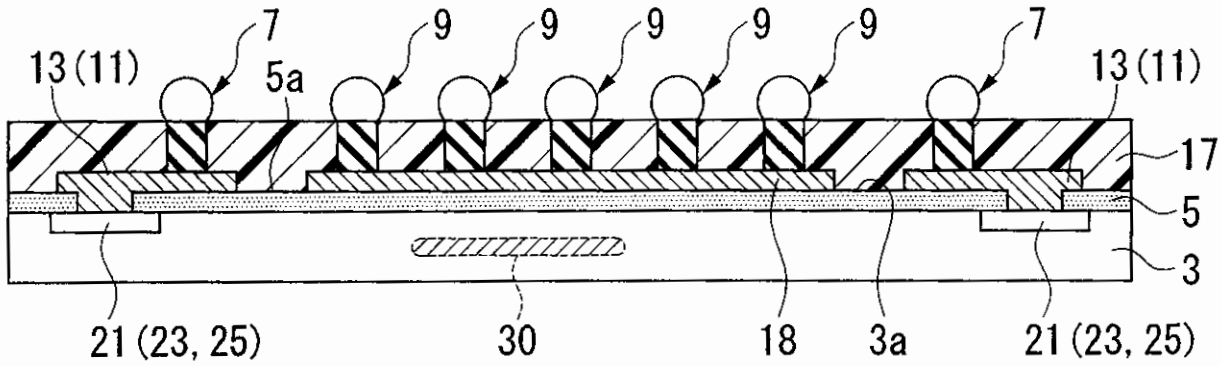

7
9
9
9
9
9
7
13 (11)
5a
13 (11)
17
5
3
21 (23, 25)
30
18
3a
21 (23, 25)

FIG. 11

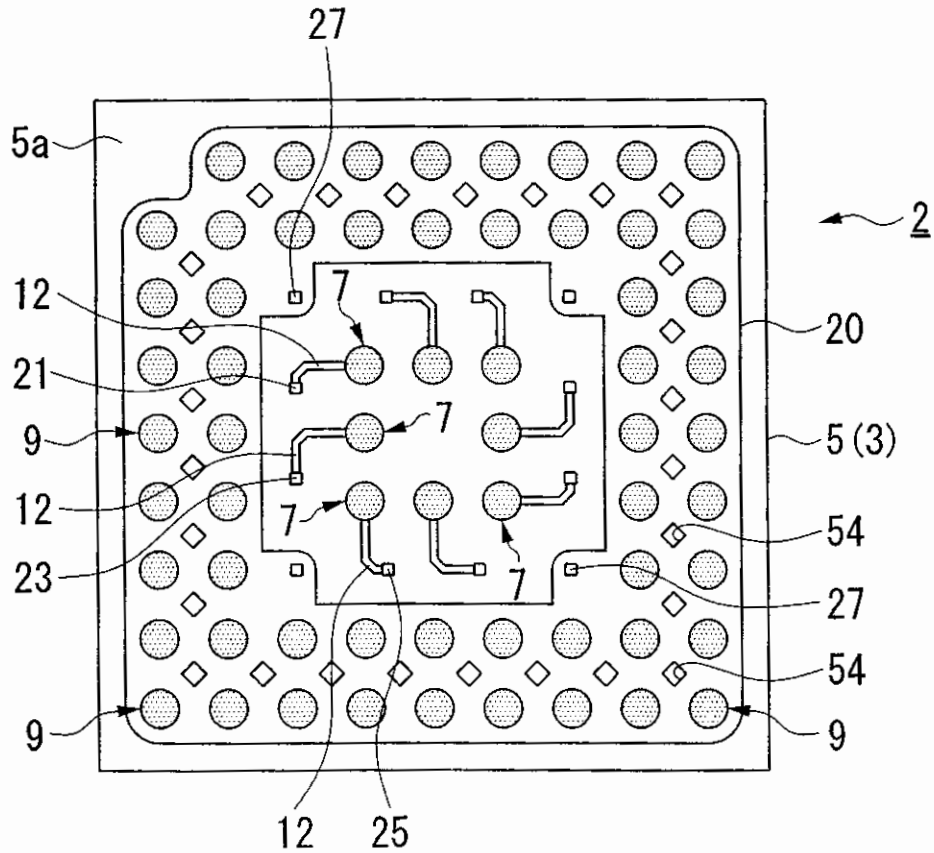

27
5a
2
12
7
20
21
7
9
5 (3)
12
7
54
23
7
27
54
9
9
12
25

FIG. 12

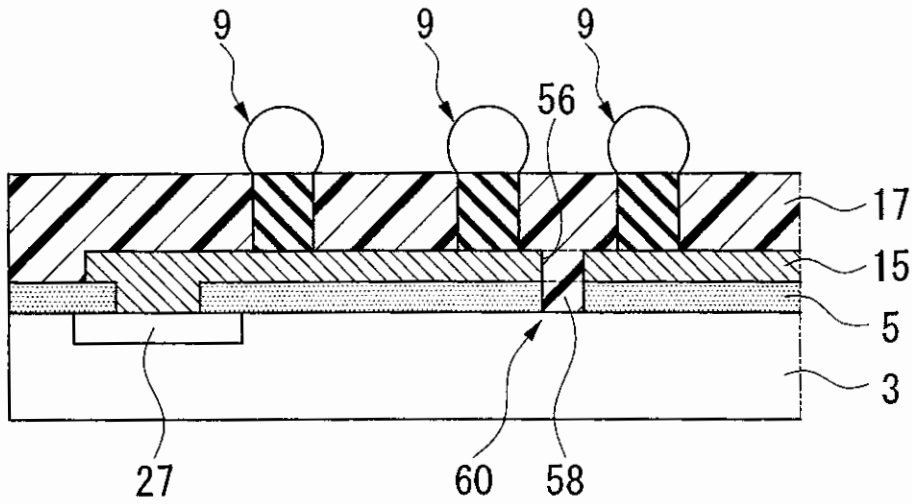


FIG. 13

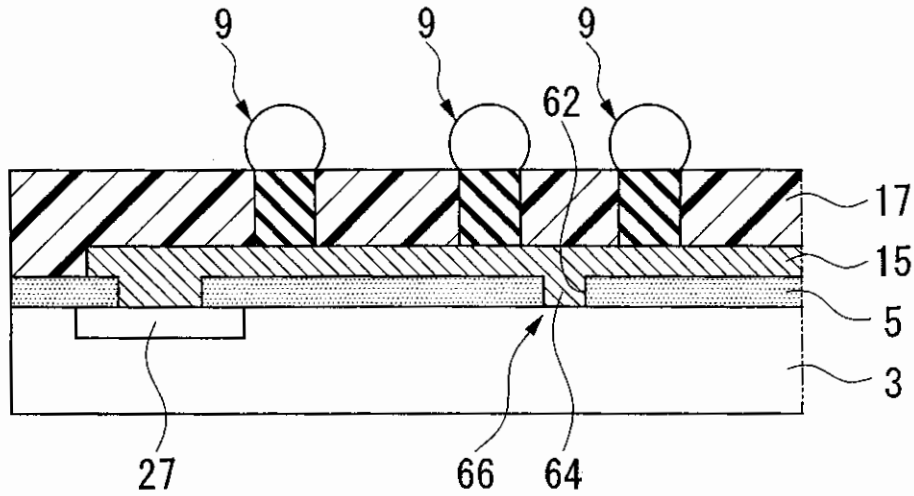


FIG. 14

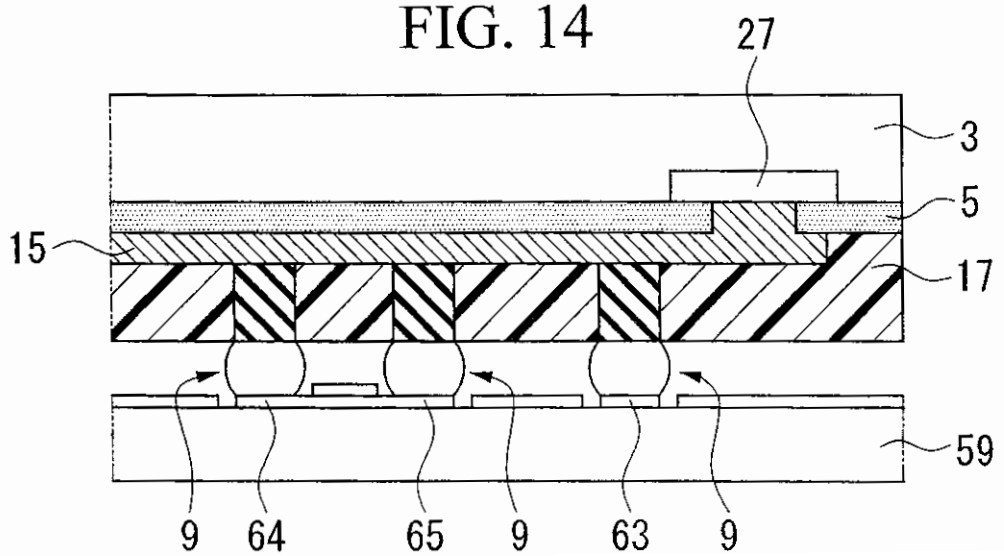


FIG. 15A

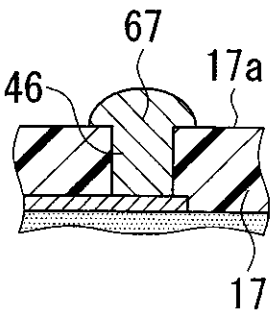


FIG. 15B

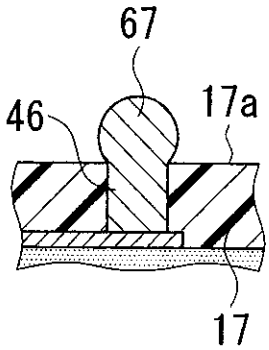


FIG. 15C

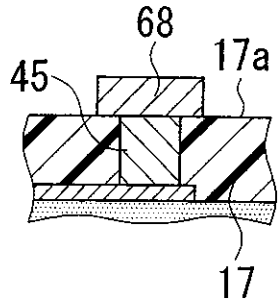


FIG. 16

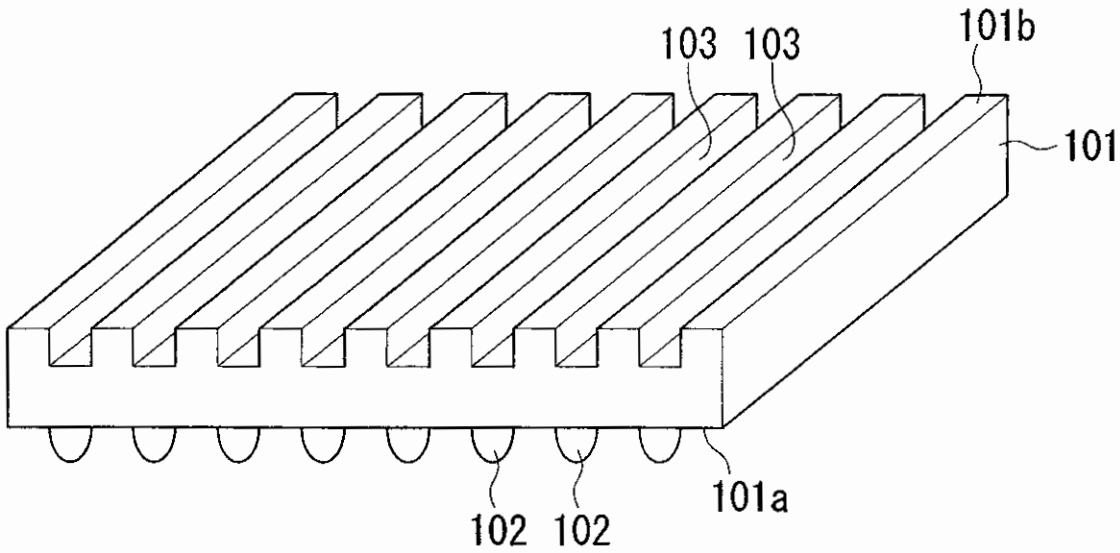


FIG. 17

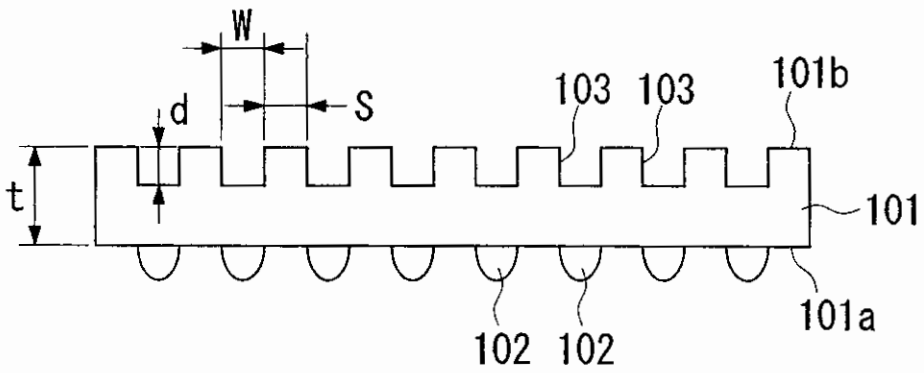


FIG. 18

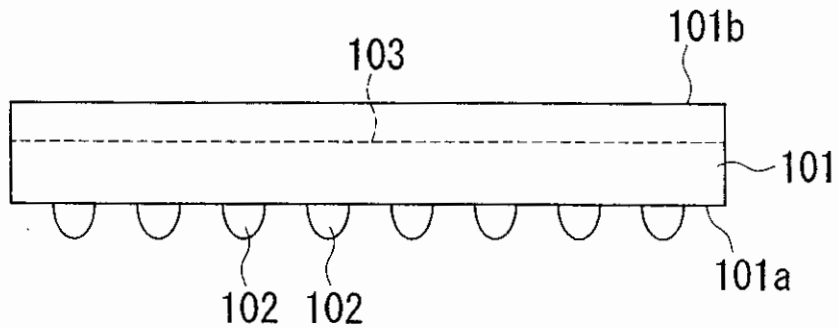


FIG. 19

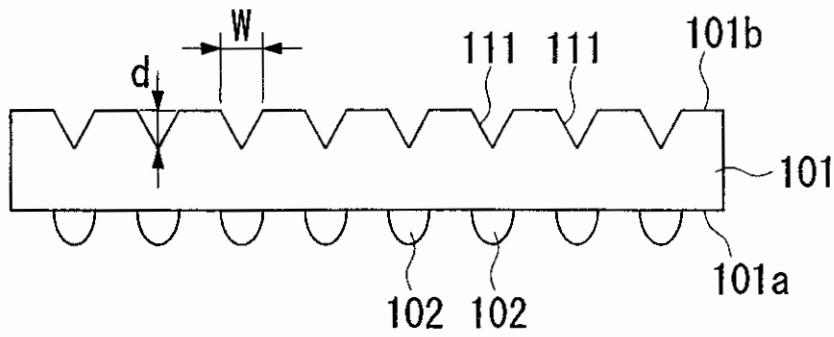


FIG. 20

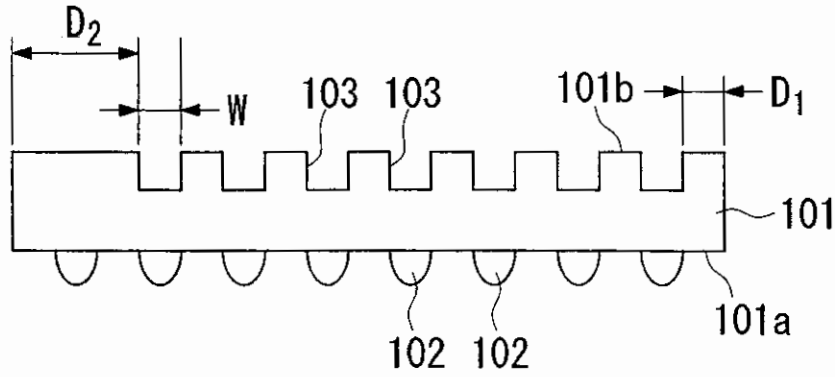


FIG. 21

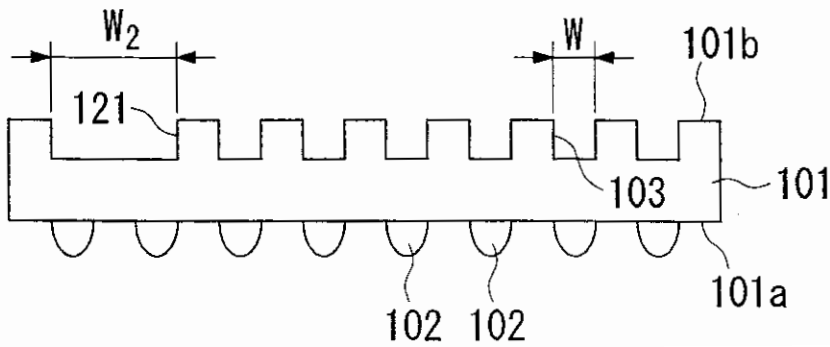


FIG. 22

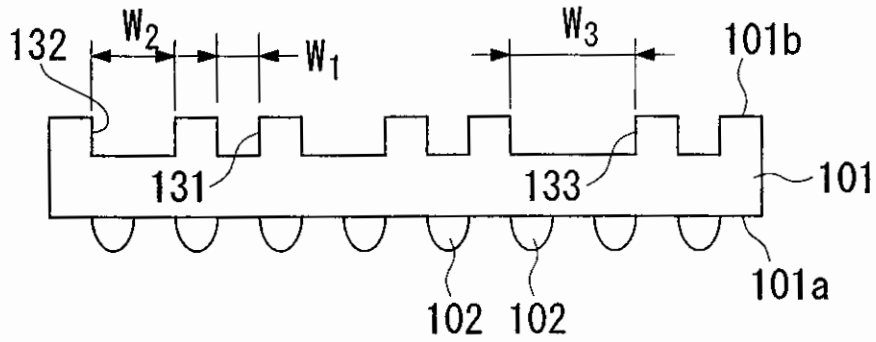

132
W2
W1
W3
101b
131
133
101
102
102
101a

FIG. 23

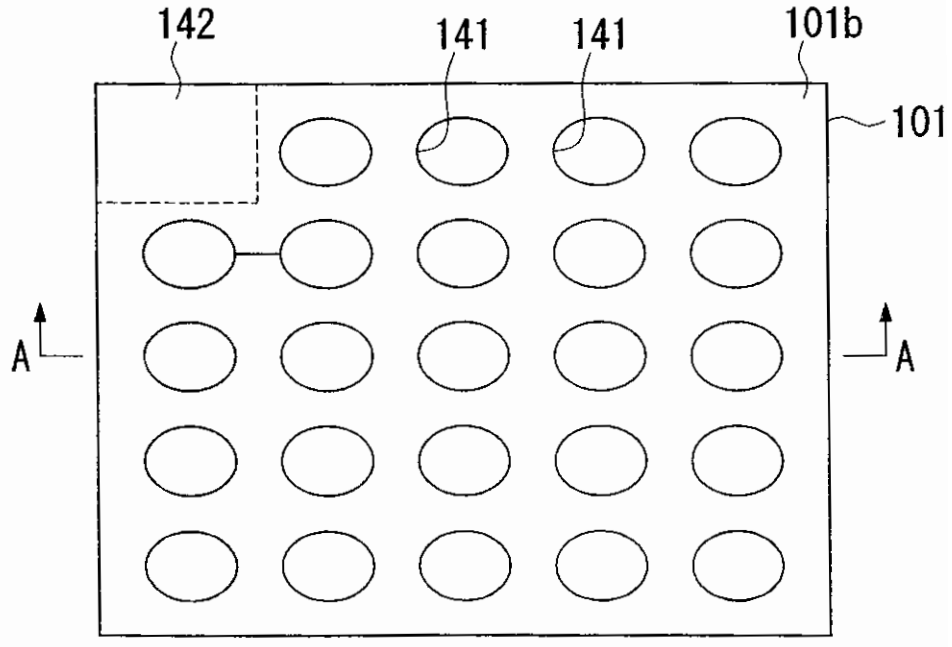

142
141
141
101b
101
A
A

FIG. 24

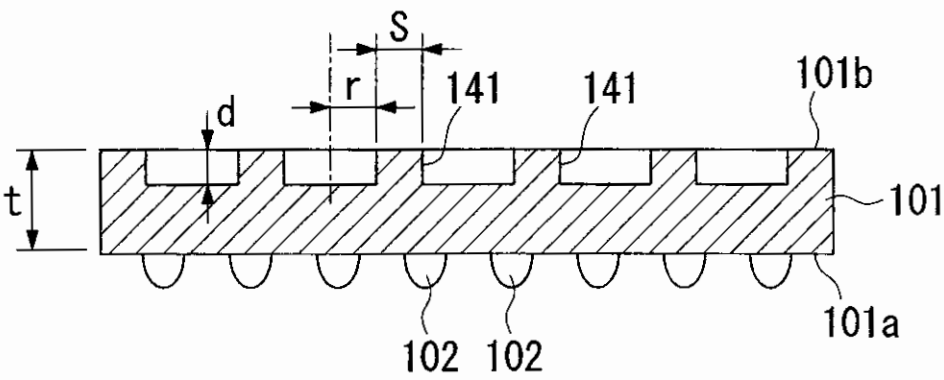


FIG. 25

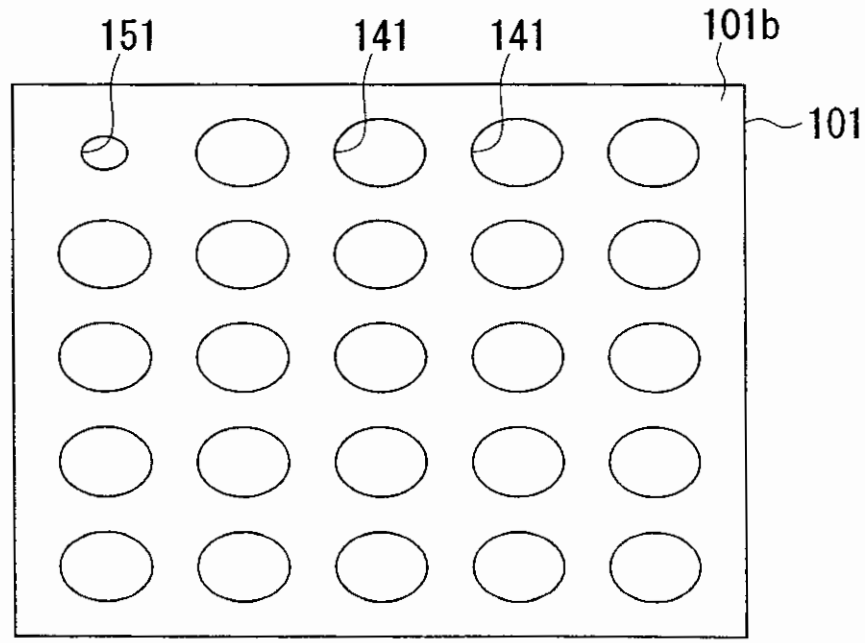


FIG. 26

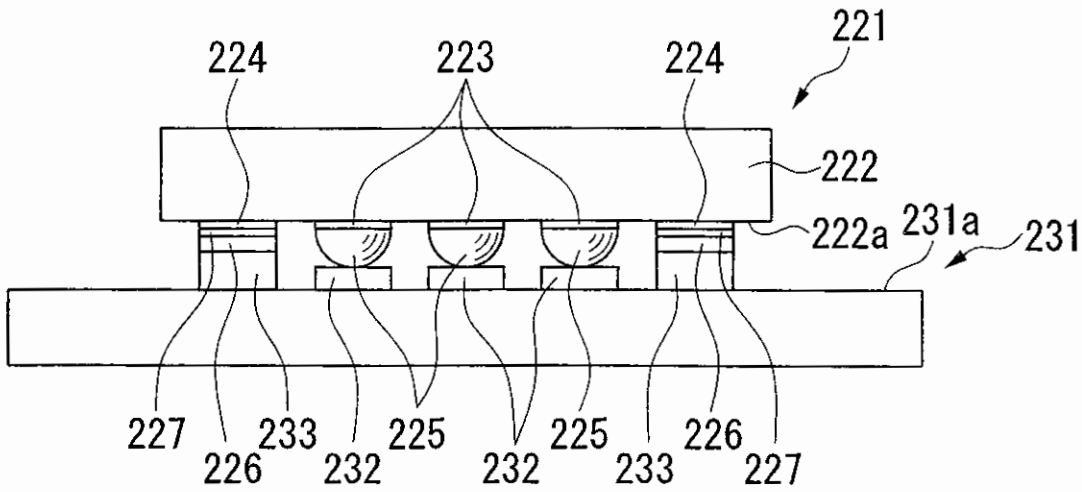

221
224
223
224
222
222a
231a
231
227
226
233
232
225
232
225
233
226
227

FIG. 27

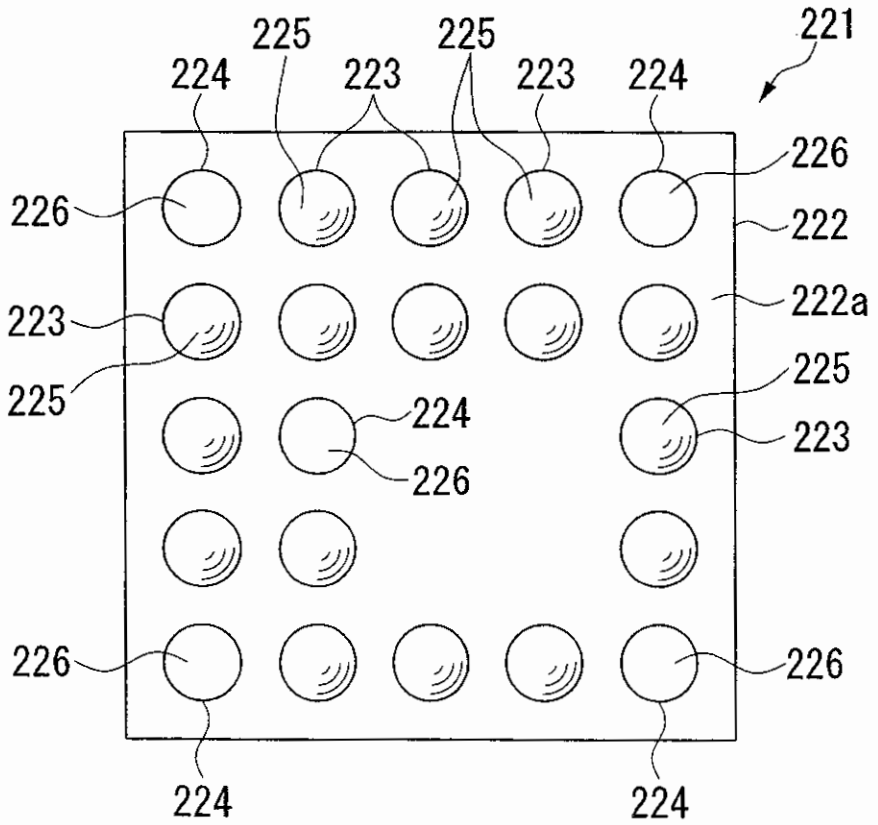

221
225
225
224
223
223
224
226
226
222
223
222a
225
225
224
223
226
226
226
224
224

FIG. 28

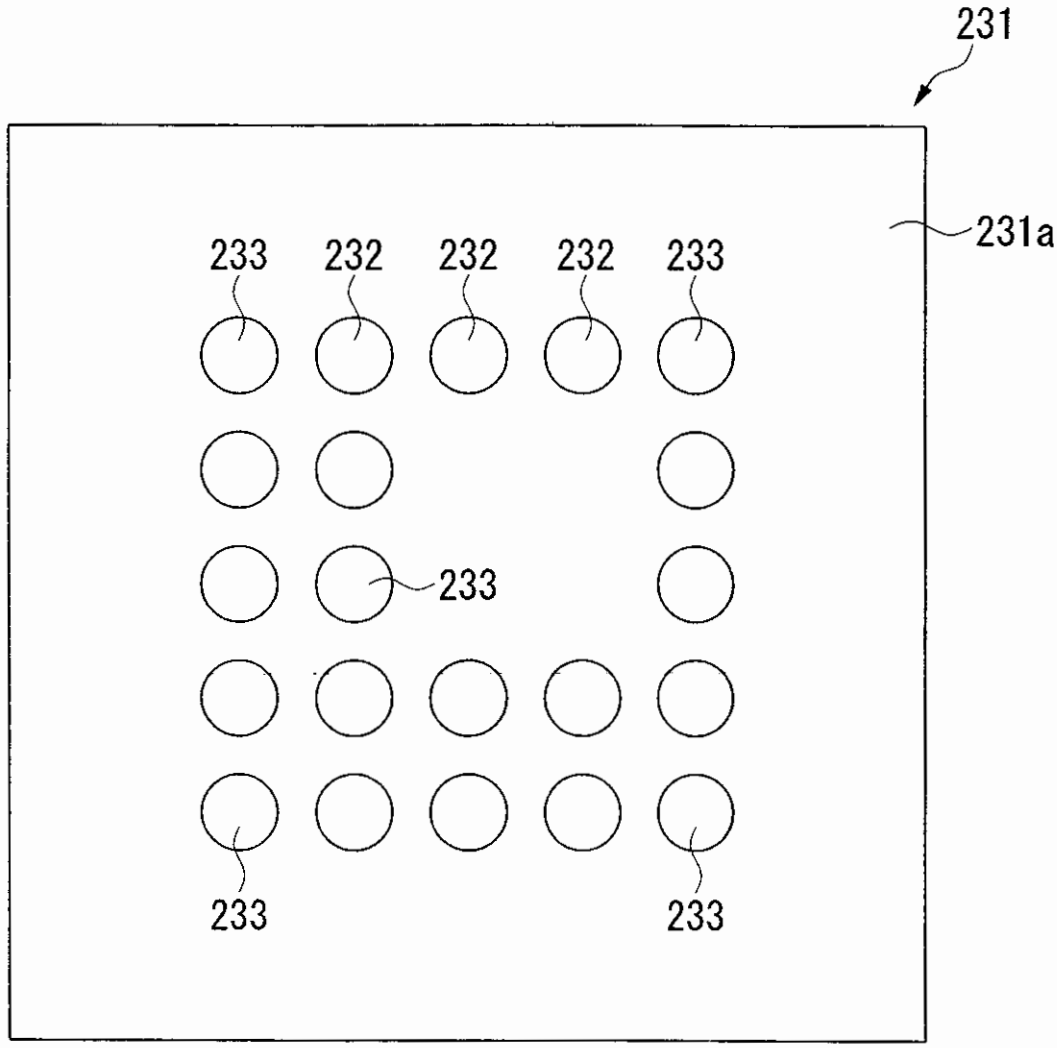


FIG. 29

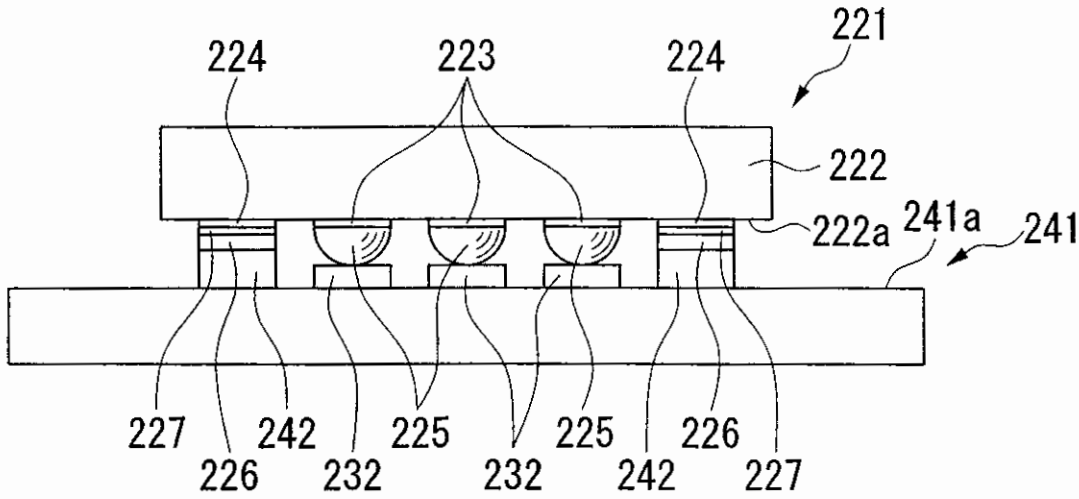

221
224
223
224
222
222a
241a
241
227
226
242
232
225
232
225
242
226
227

FIG. 30

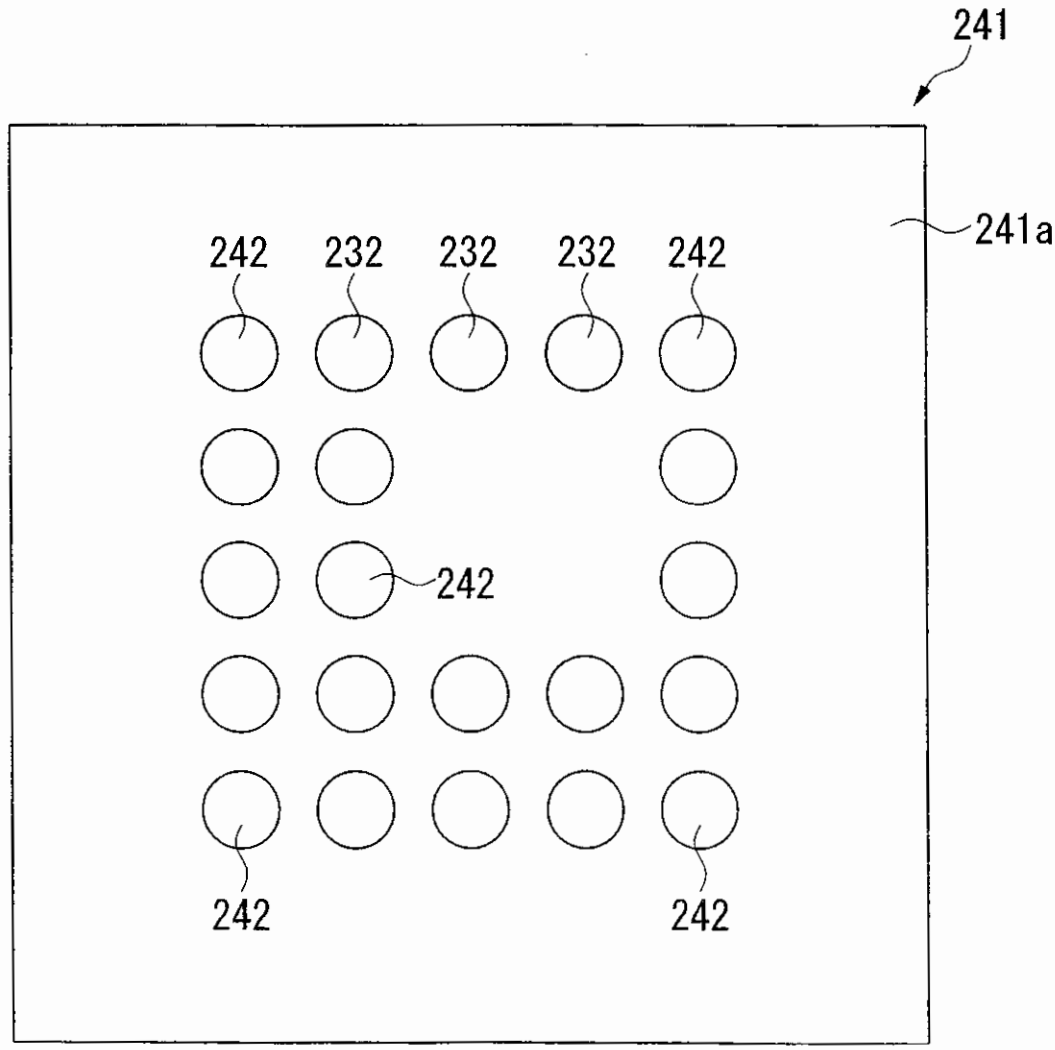

241
241a
242
232
232
232
242
242
242
242

FIG. 31

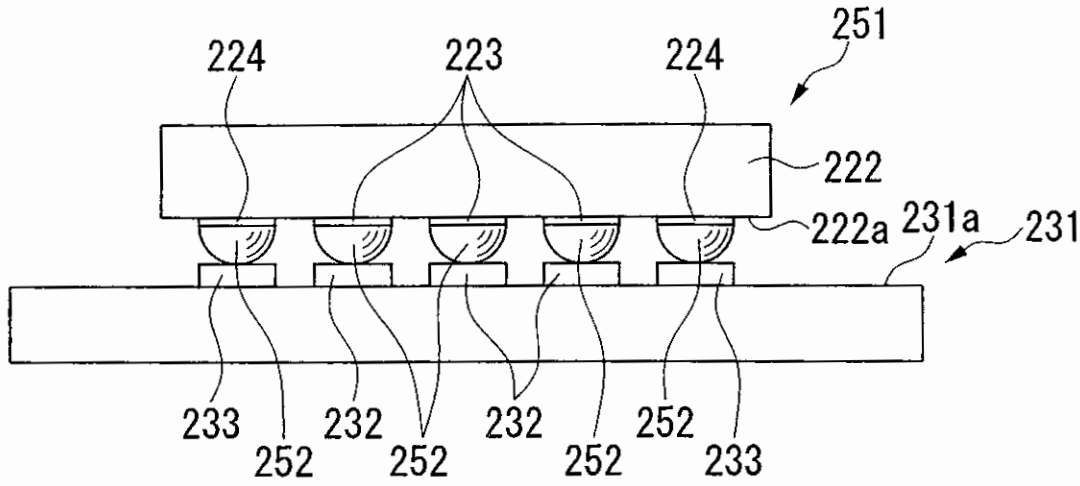

251
224
223
224
222
222a
231a
231
233
252
232
252
232
252
252
233

FIG. 32

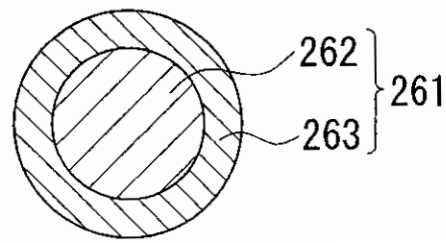

262
261
263

FIG. 33

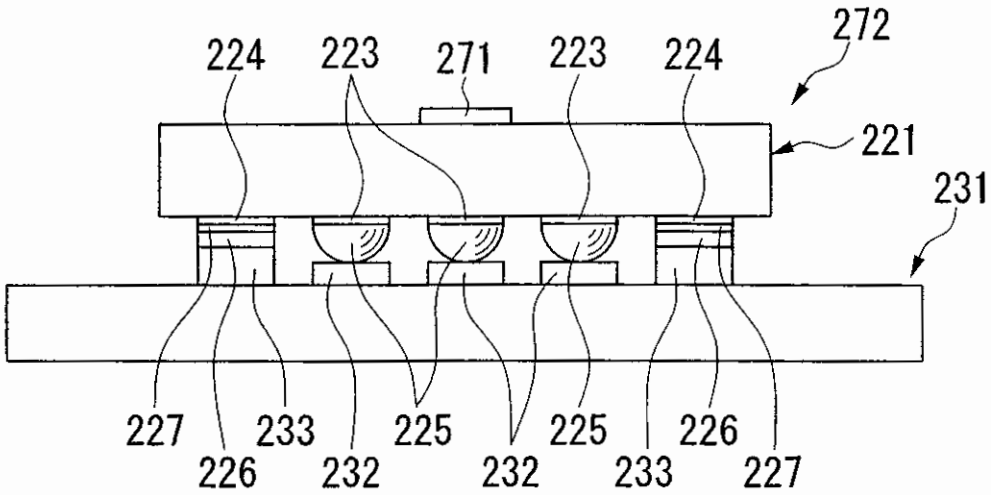

224
223
271
223
224
272
221
231
227
233
225
225
226
227
226
232
232
233

FIG. 34

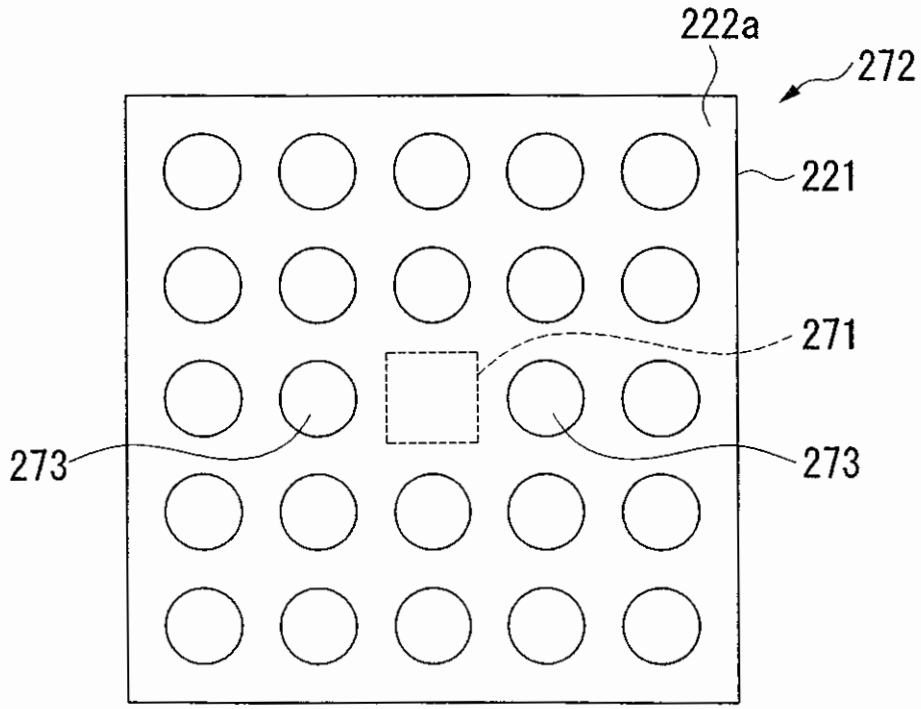

222a
272
221
271
273
273

FIG. 35

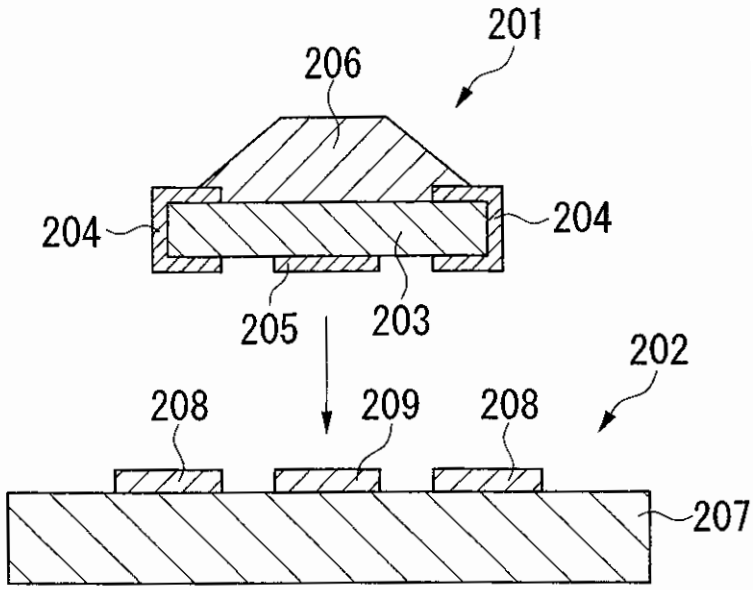

201
206
204
204
205
203
202
208
209
208
207

FIG. 36

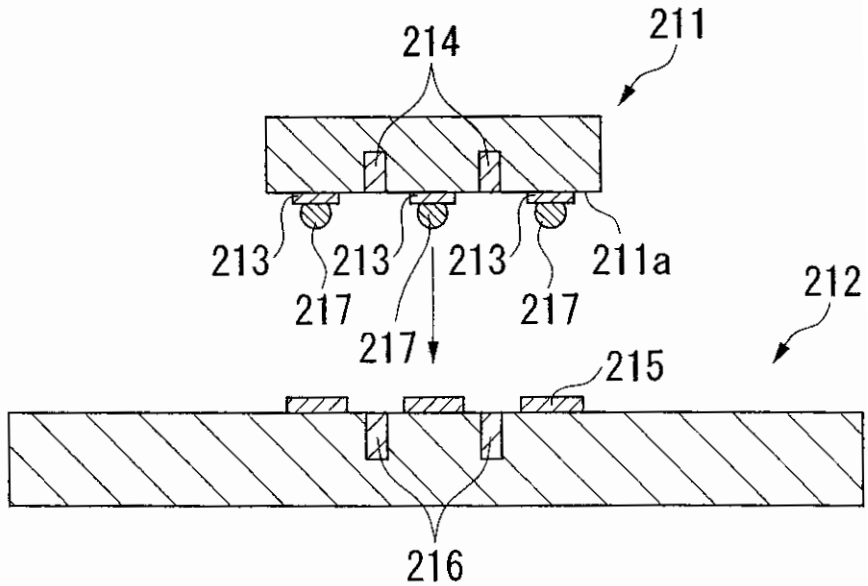

214
211
213
213
213
211a
217
217
217
212
215
216

FIG.37

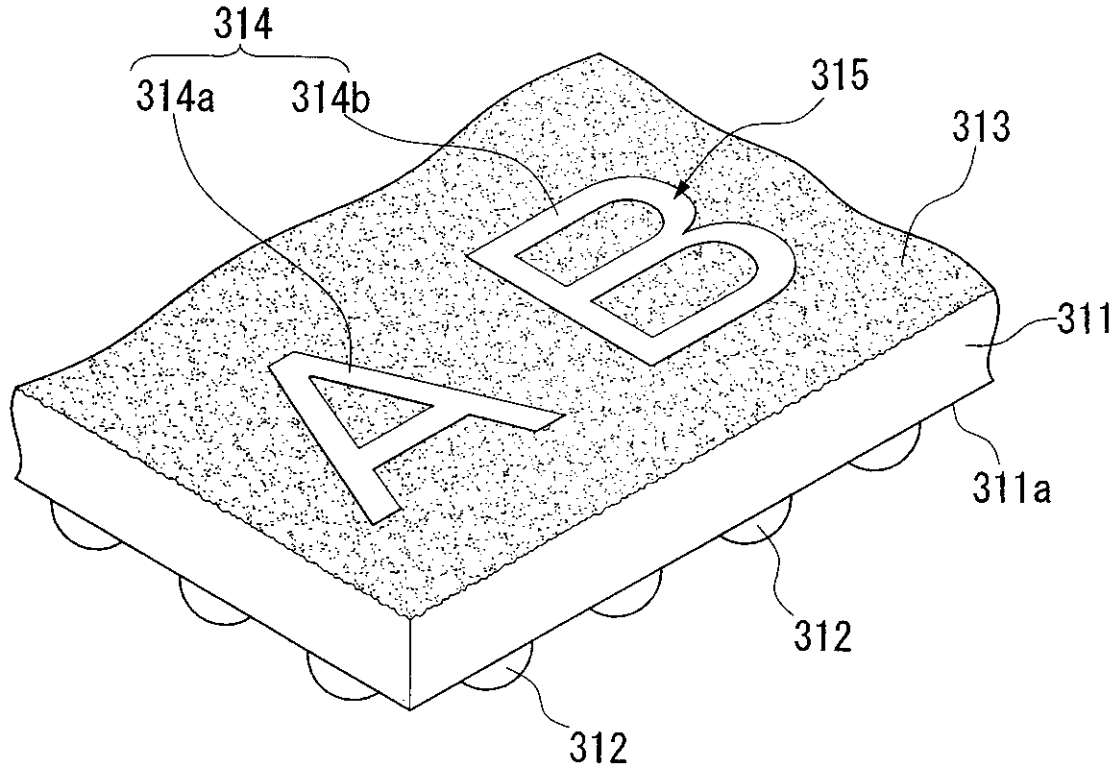

314
314a
314b
315
313
311
311a
312
312
A
B

FIG.38

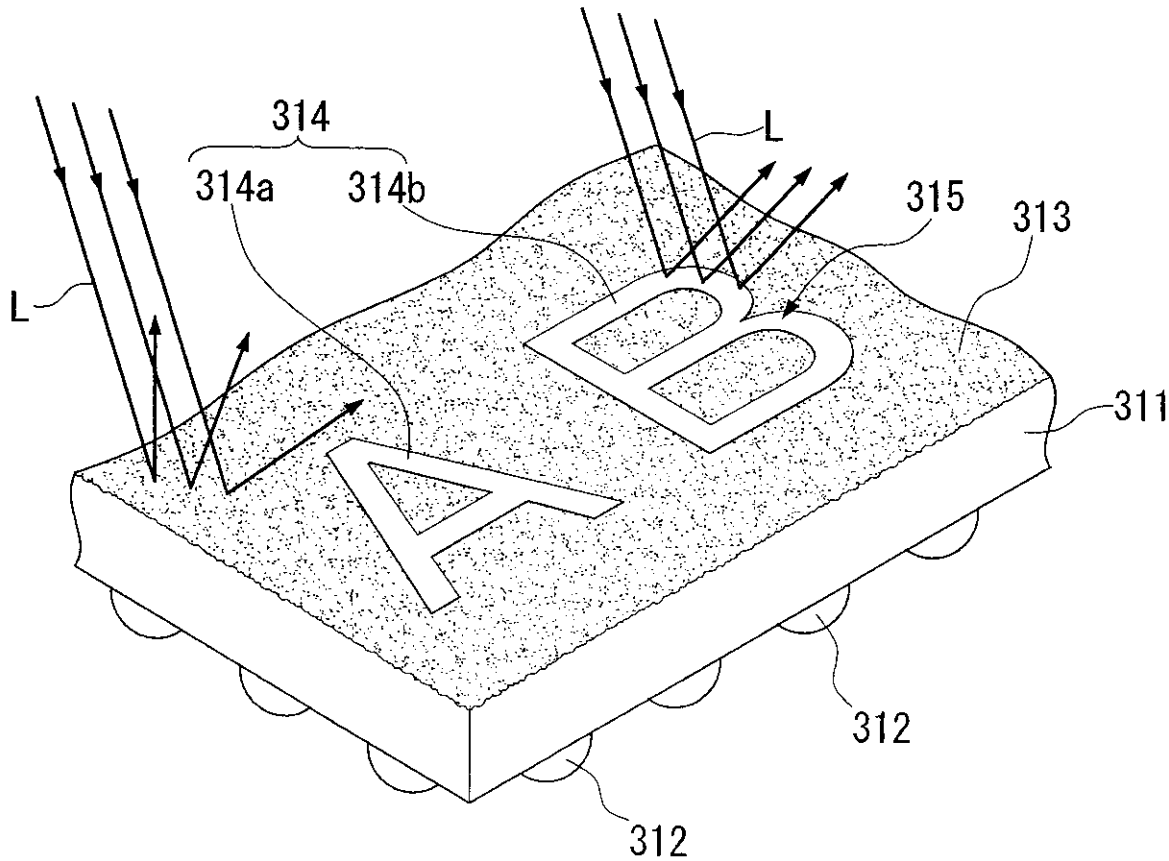

314
314a
314b
L
L
315
313
311
312
312
A
B

FIG.39A

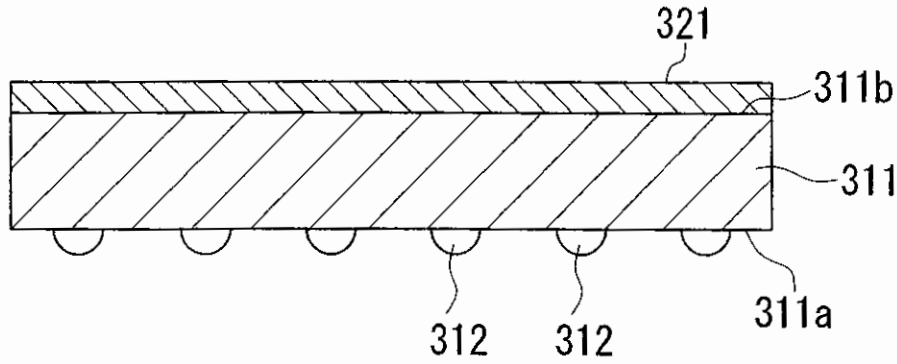


FIG.39B

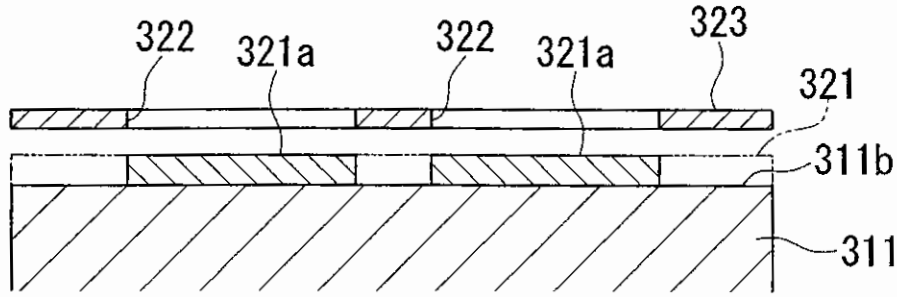


FIG.39C

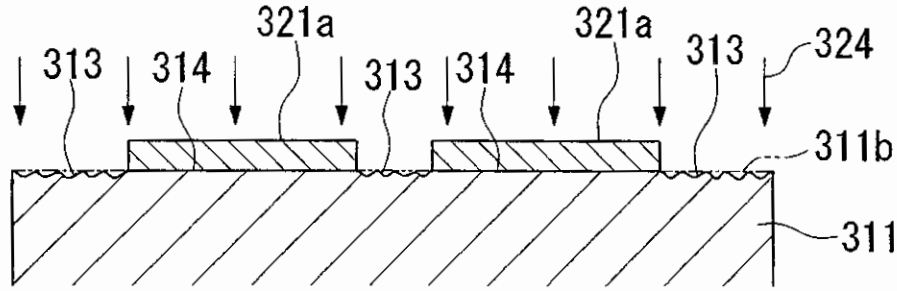


FIG.39D

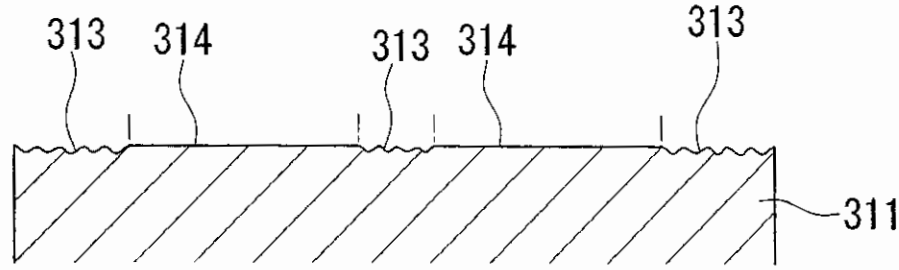


FIG.40

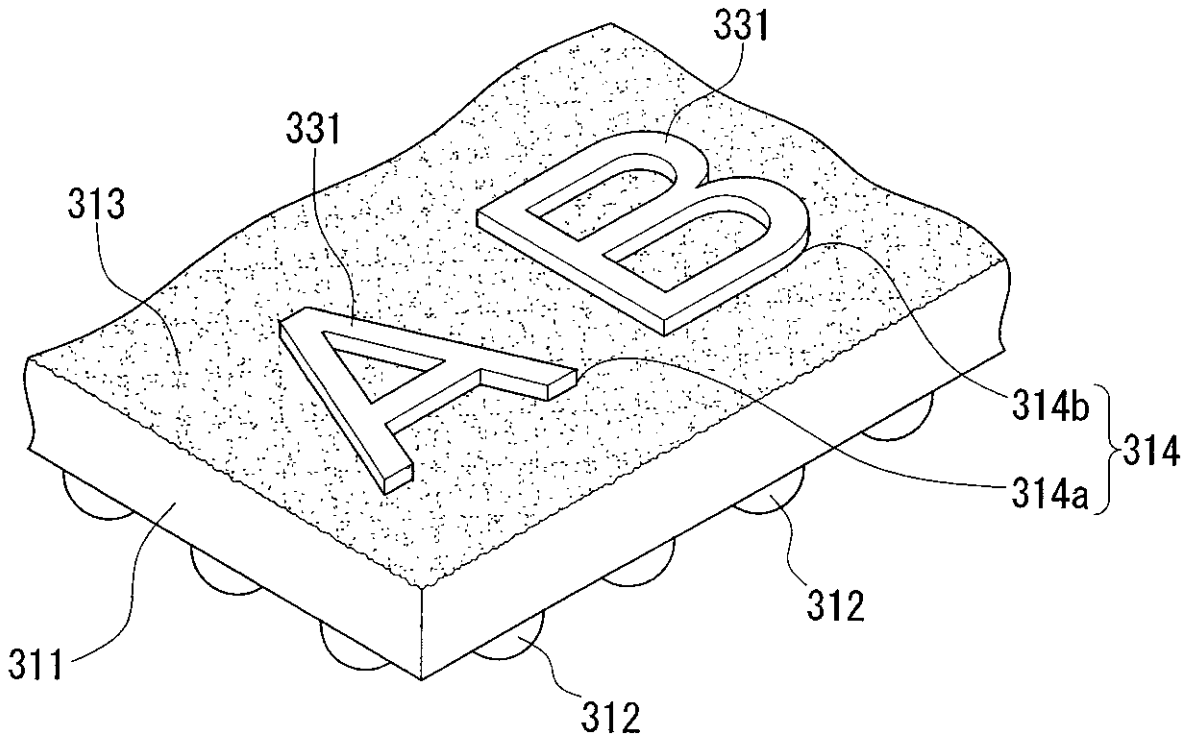

331
331
313
314b
314
314a
312
311
312

FIG.41

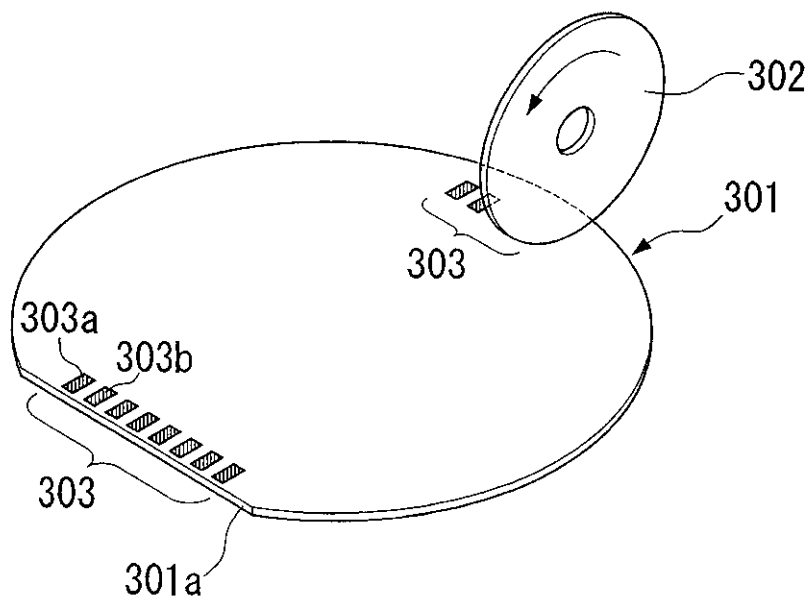

302
301
303
303a
303b
303
301a

FIG.42

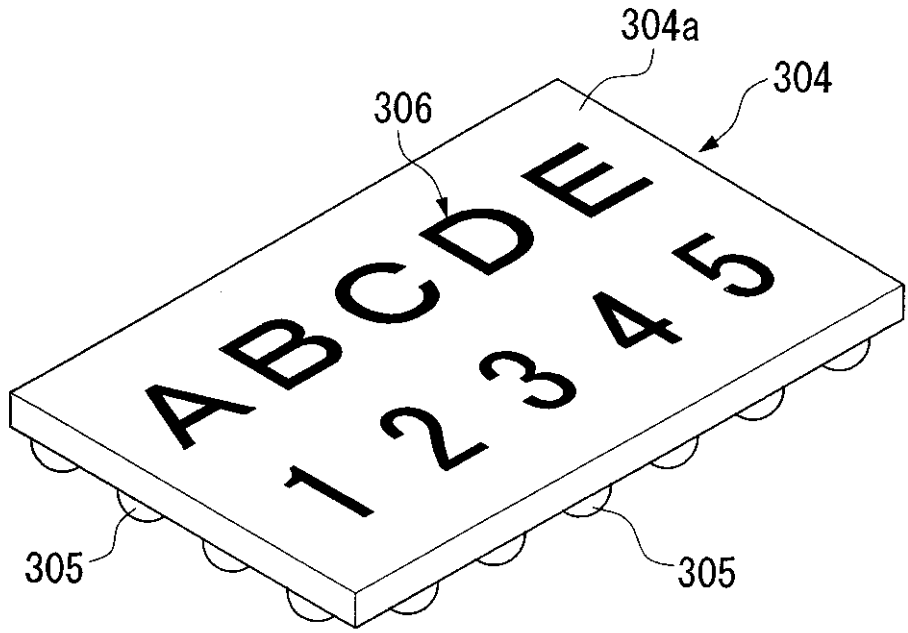

304a
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FIG.43

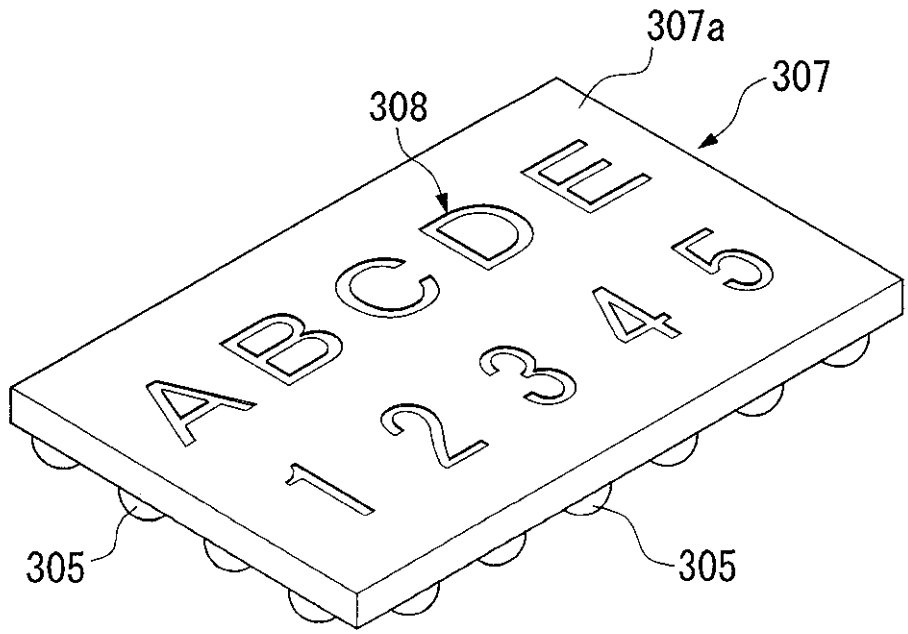

307a
307
308
ABCDE
12345
305
305

FIG.44A

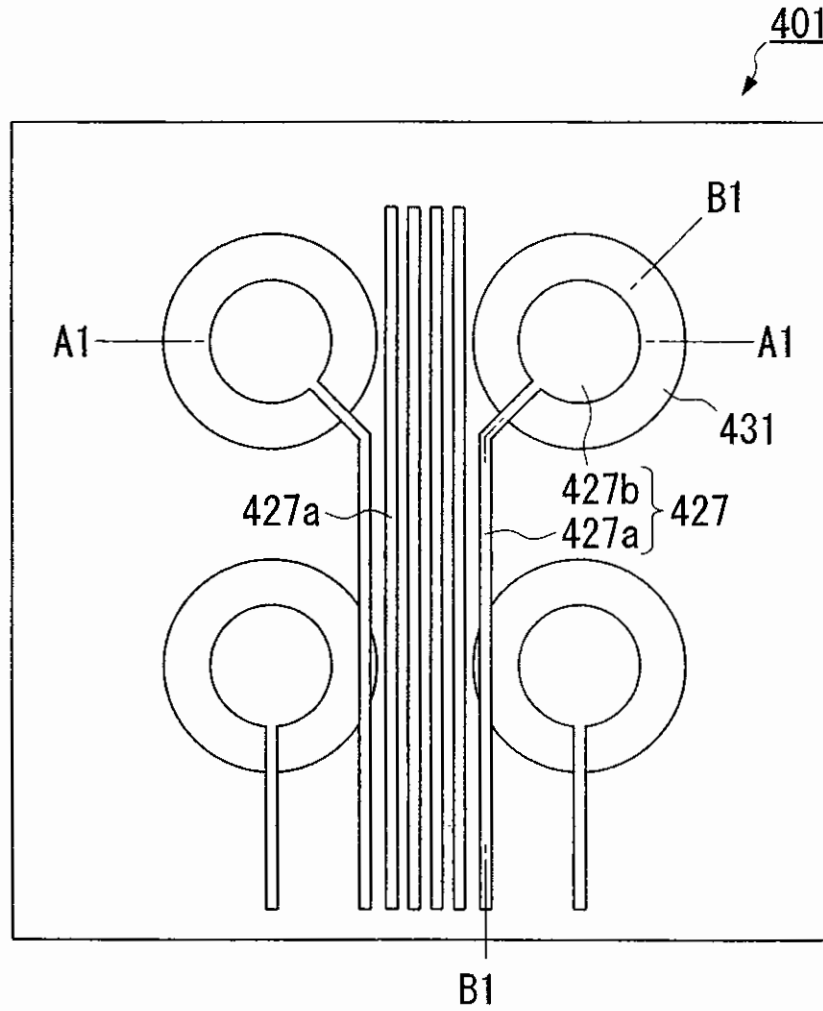


FIG.44B

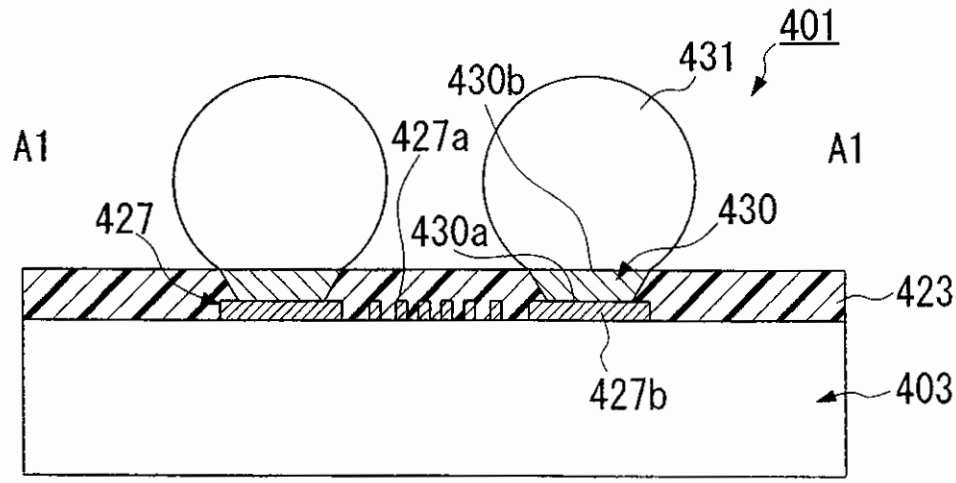


FIG.45

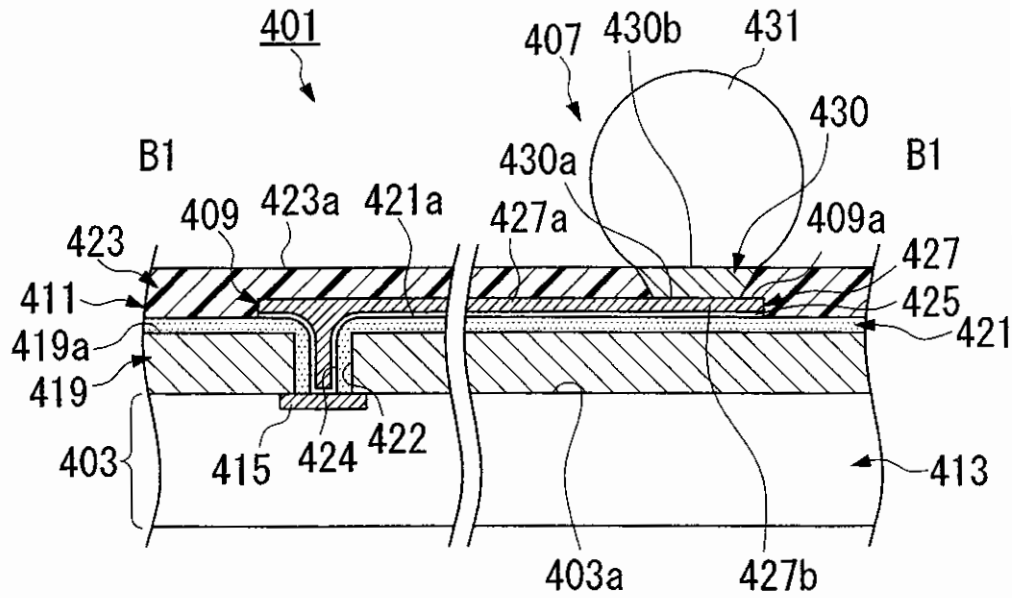

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B1
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409a
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403a
427b

FIG.46A

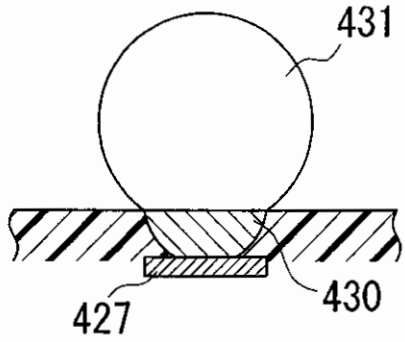


FIG.46B

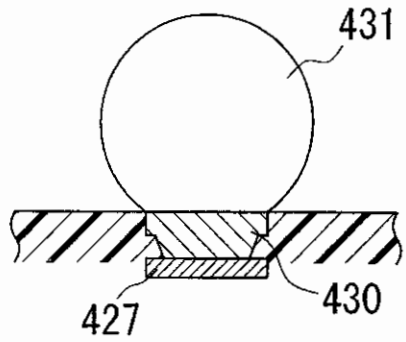


FIG.46C

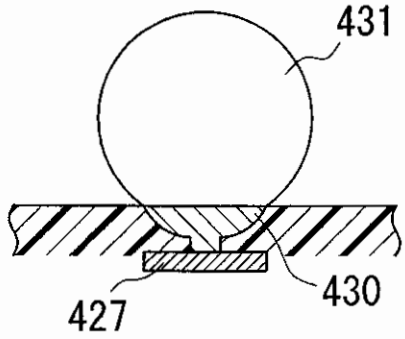


FIG.46D

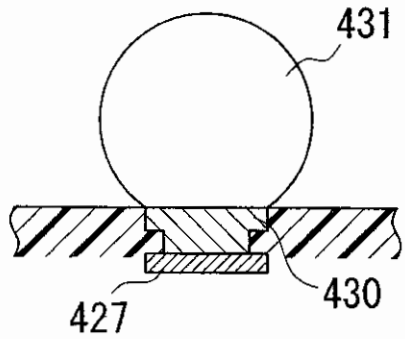


FIG.46E

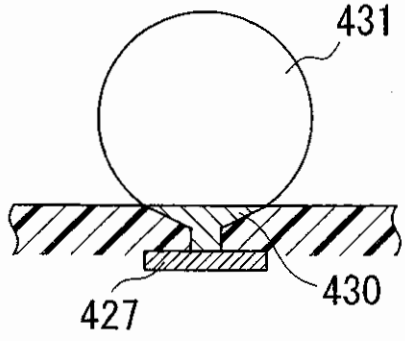


FIG.46F

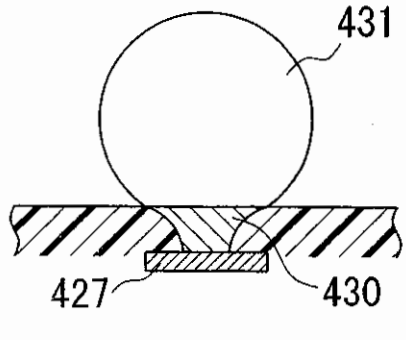


FIG.46G

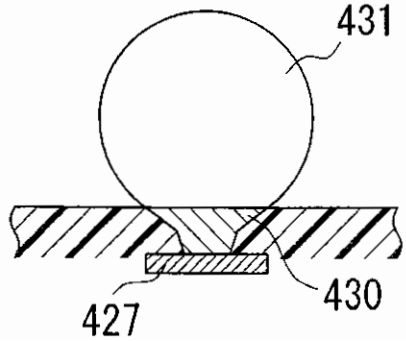


FIG.46H

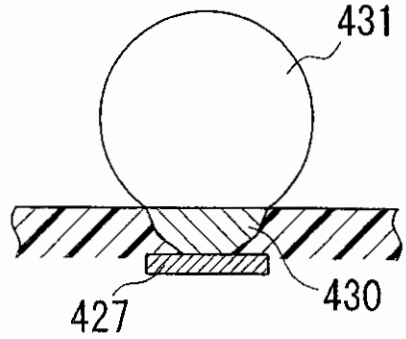


FIG.47A

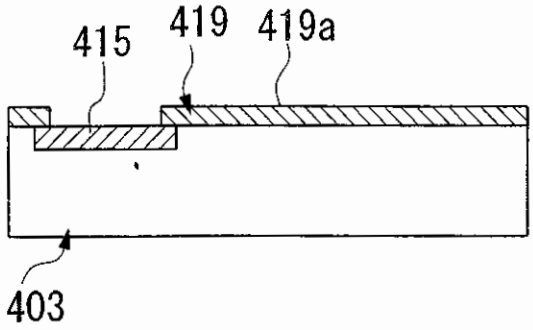


FIG.47B

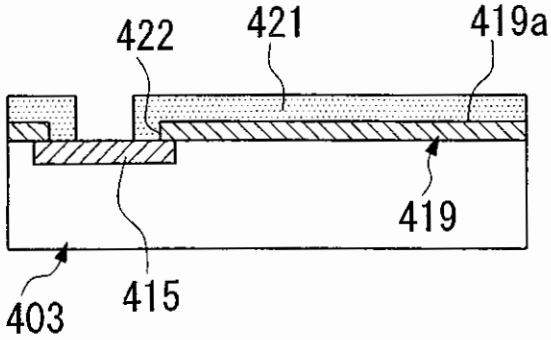


FIG.47C

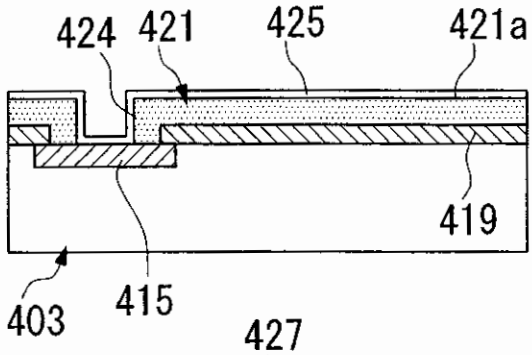


FIG.47D

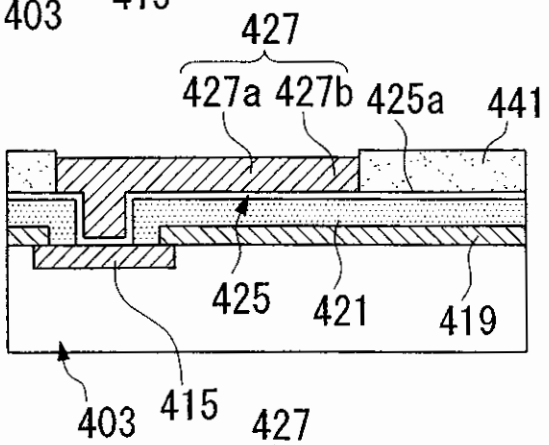


FIG.47E

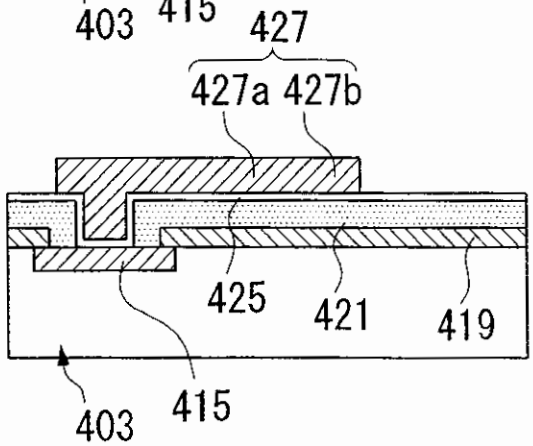


FIG.48A

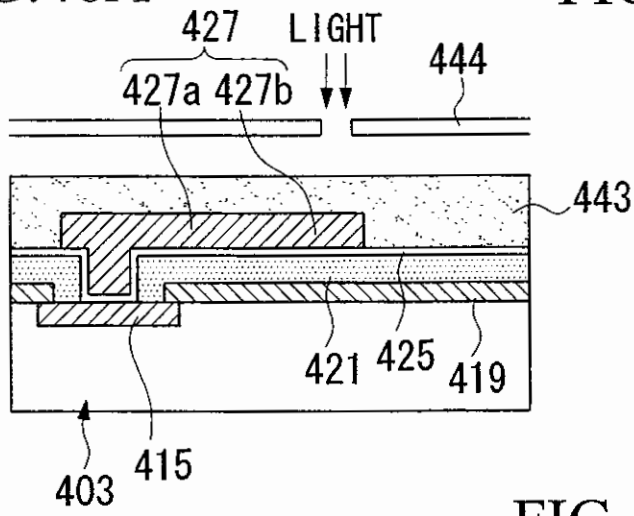


FIG.48B

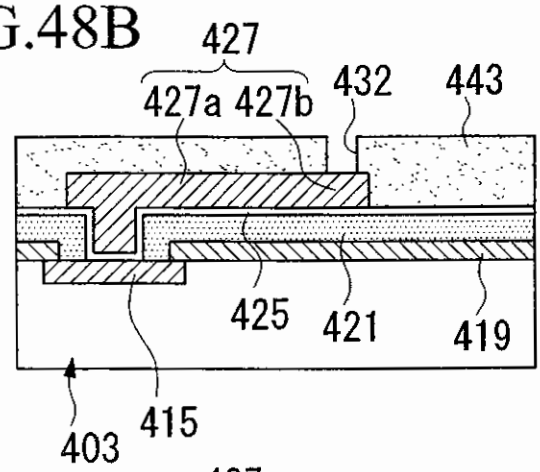


FIG.48C

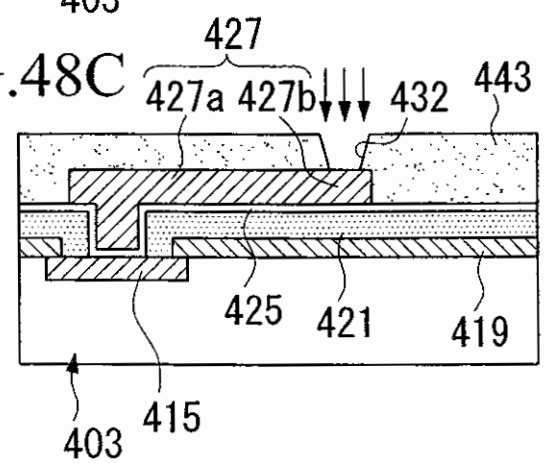


FIG.48D

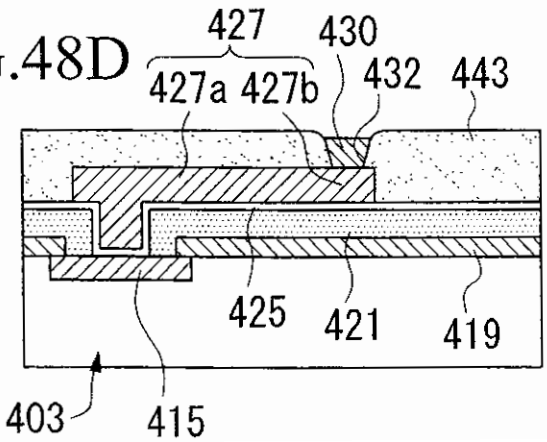


FIG.48E

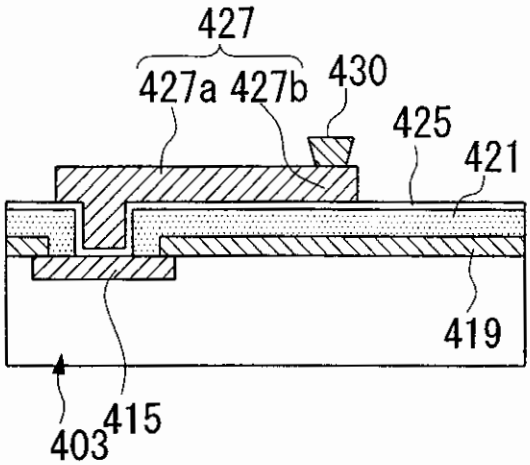


FIG.48F

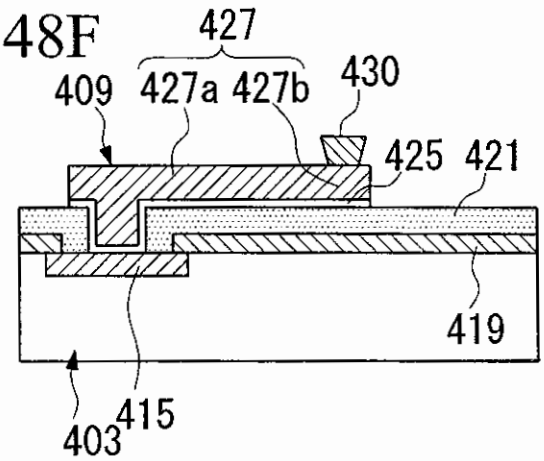


FIG.48G

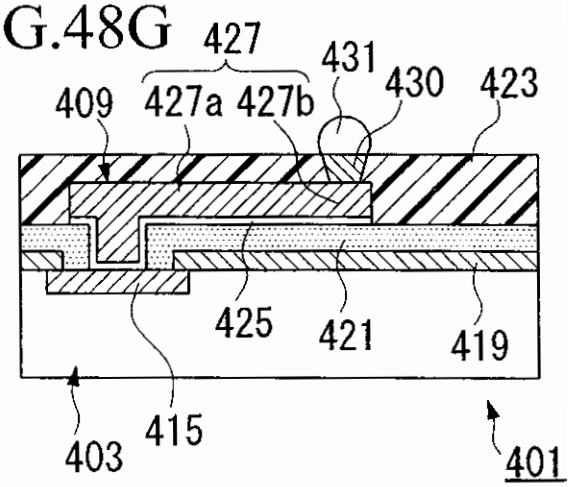


FIG.49A

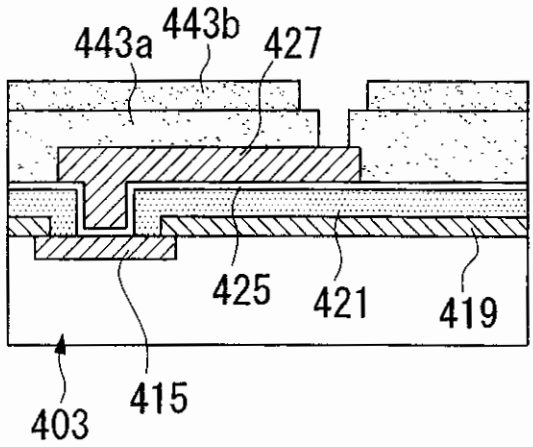


FIG.49B

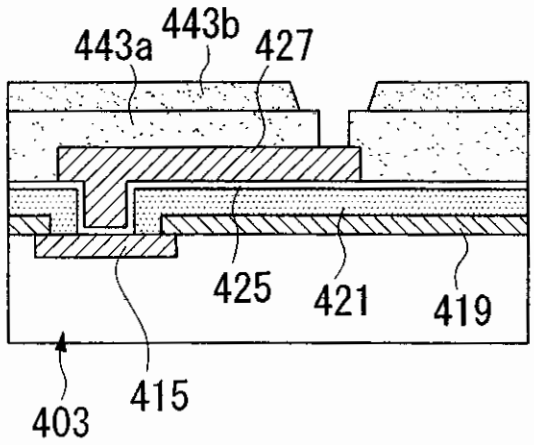


FIG.50

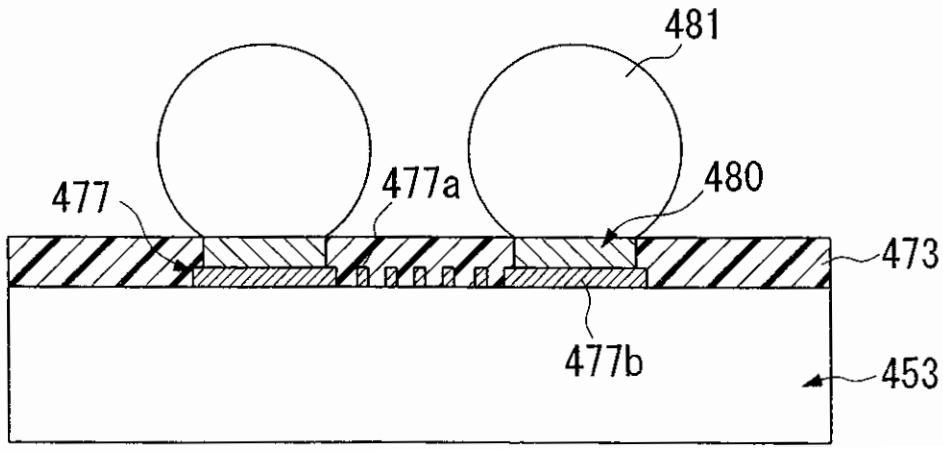


FIG.51

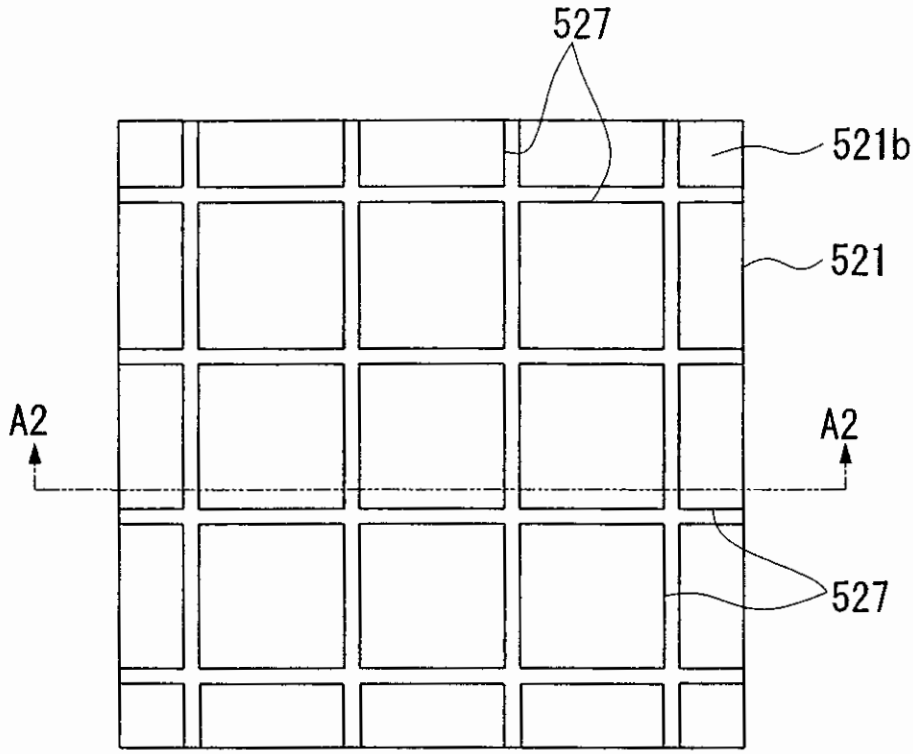


FIG.52

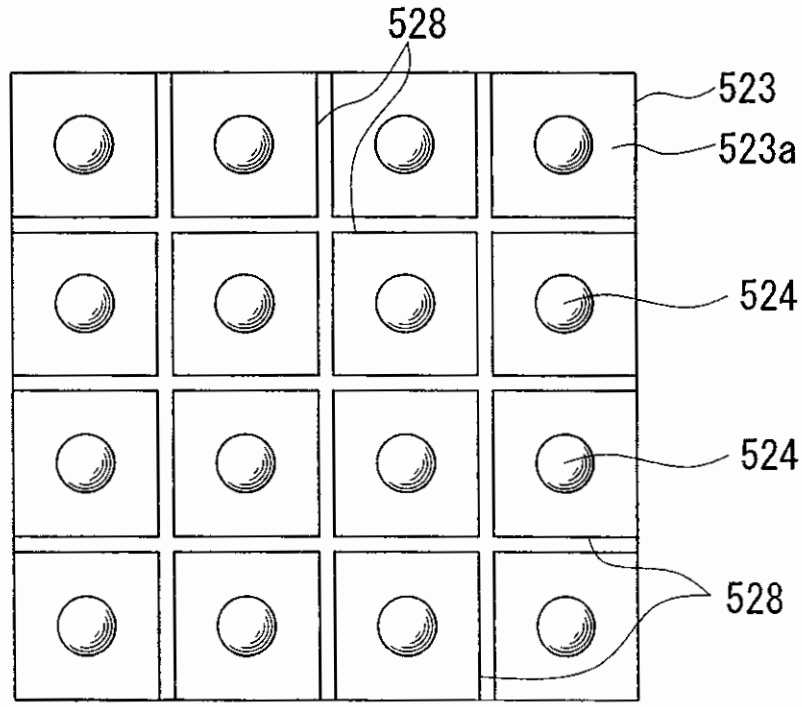


FIG.53

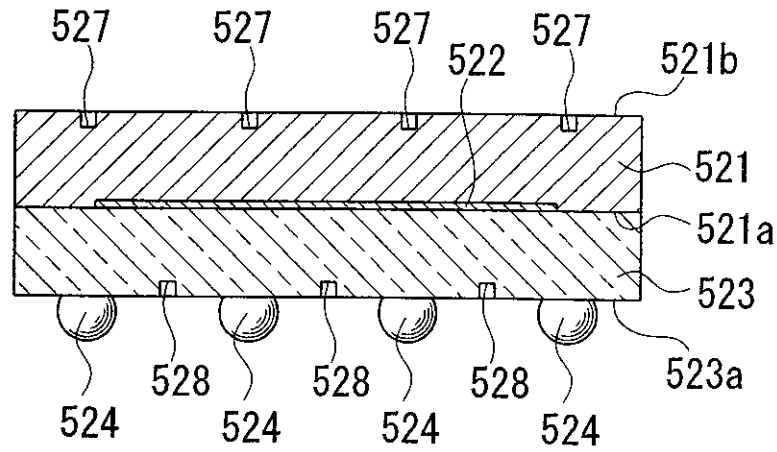

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FIG.54A

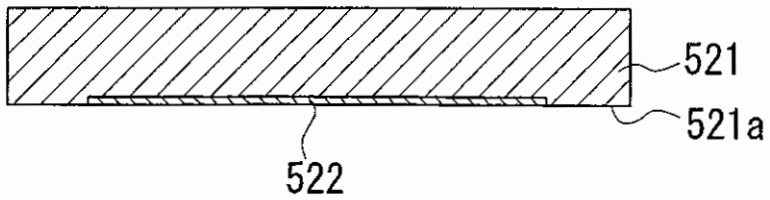


FIG.54B

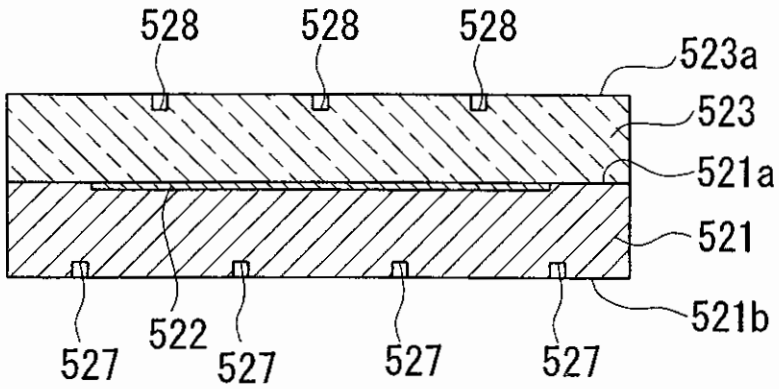


FIG.54C

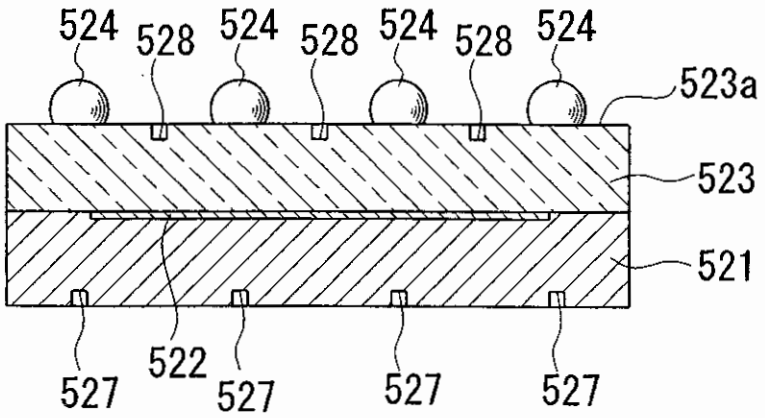


FIG.54D

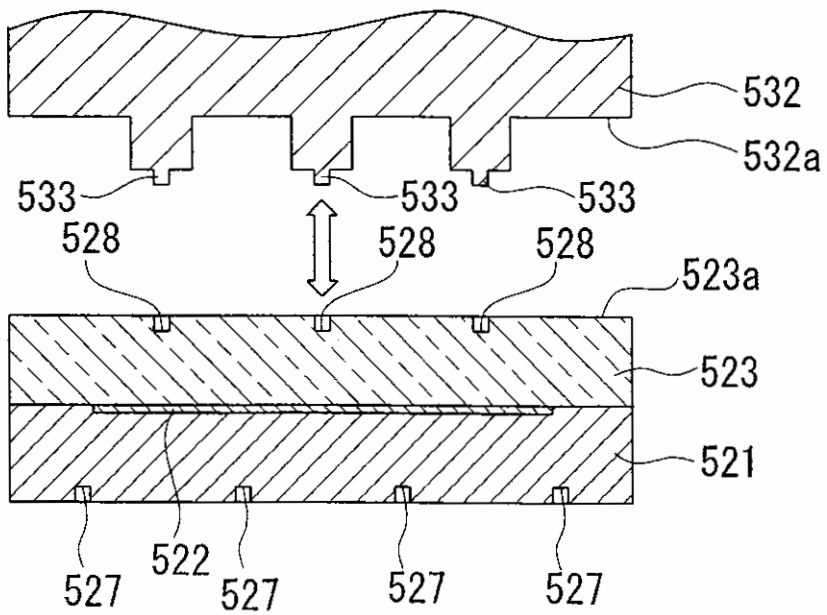


FIG.55

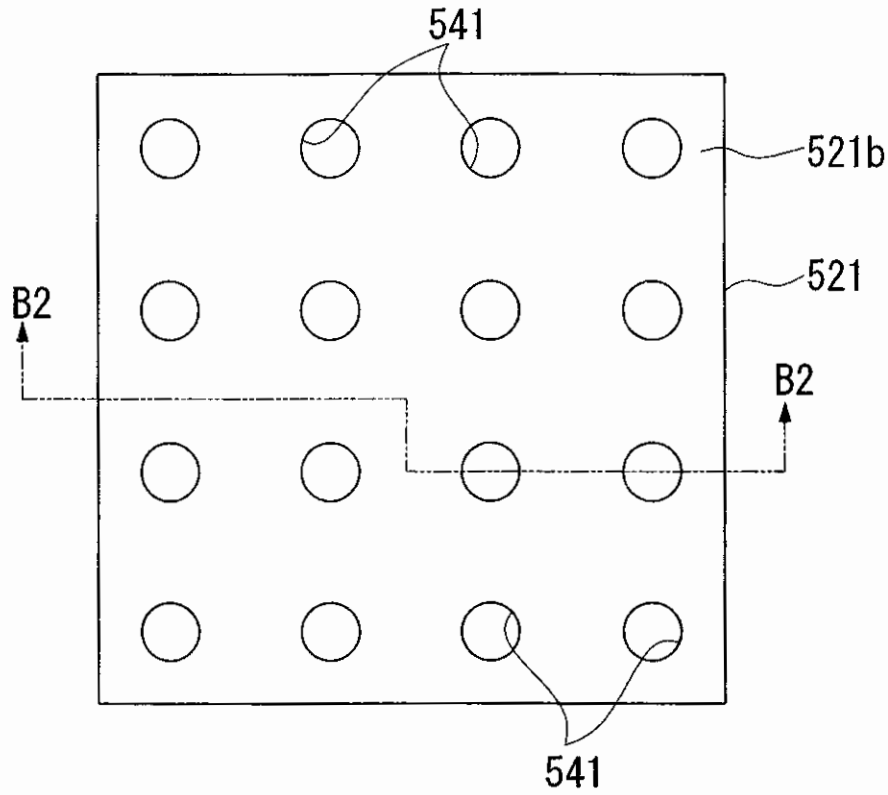

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521b
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FIG.56

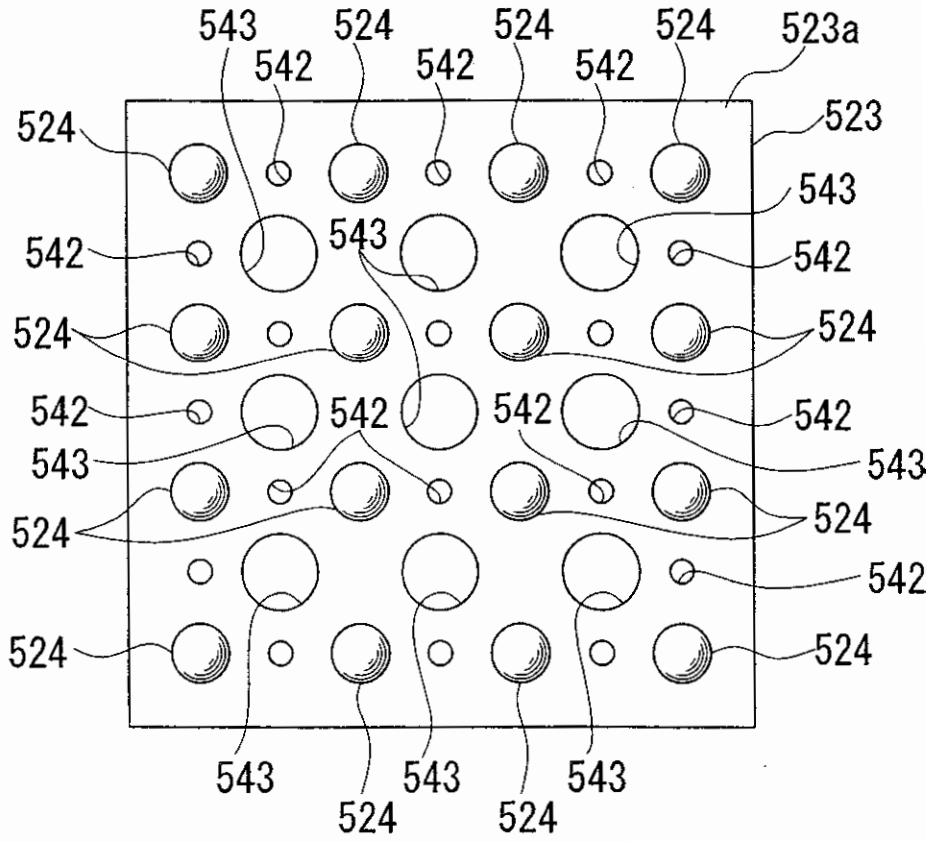

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FIG.57

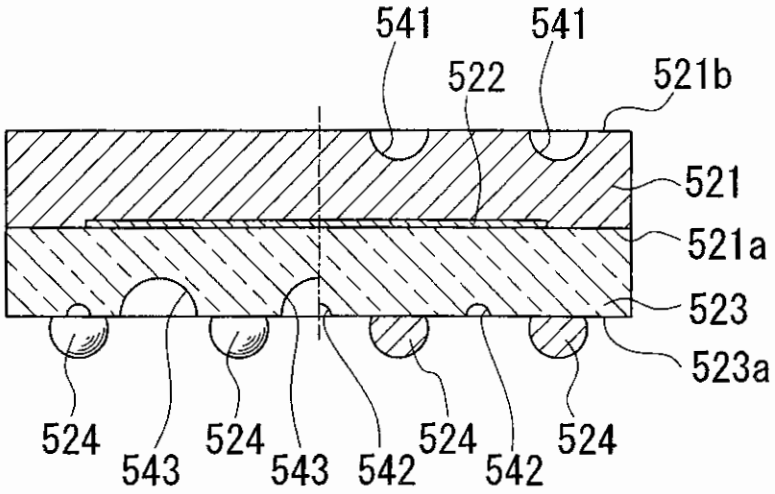


FIG.58

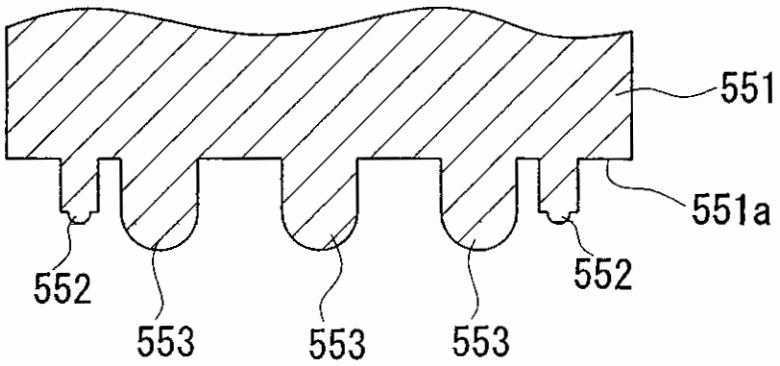


FIG.59

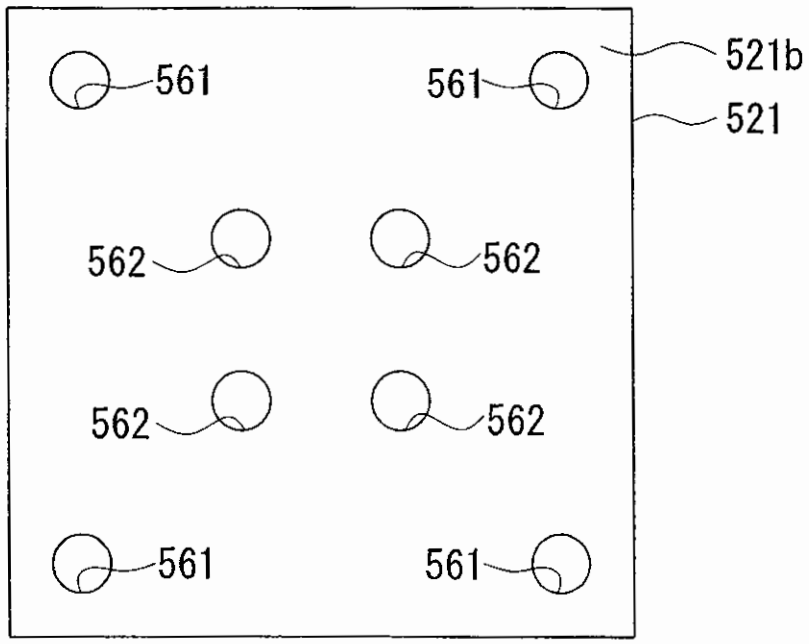


FIG.60

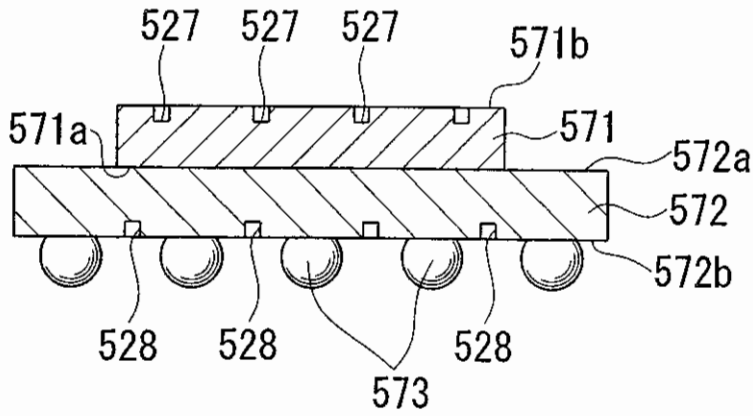

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FIG.61

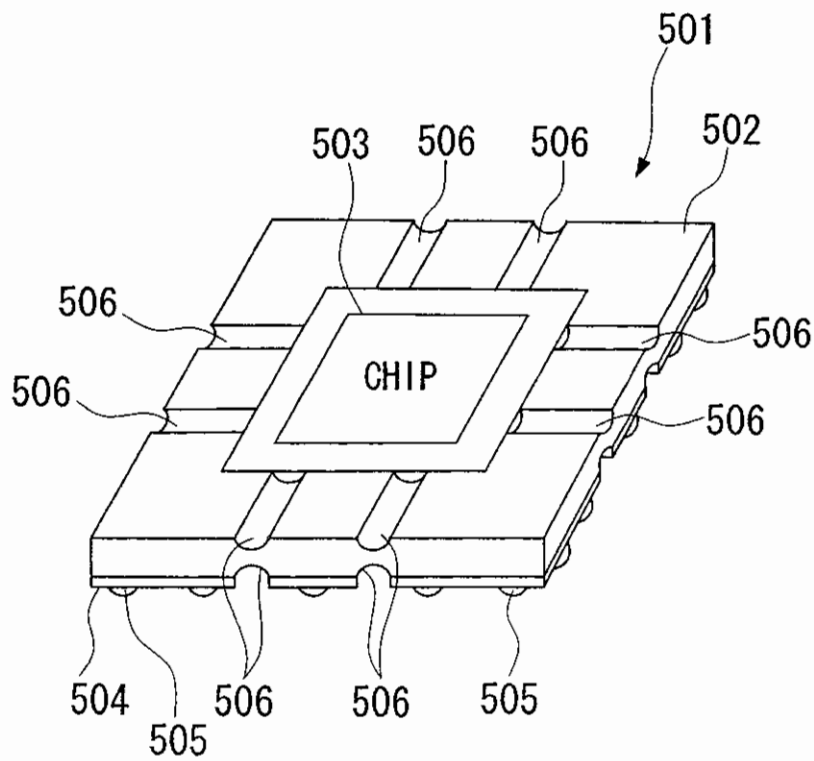

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FIG.62

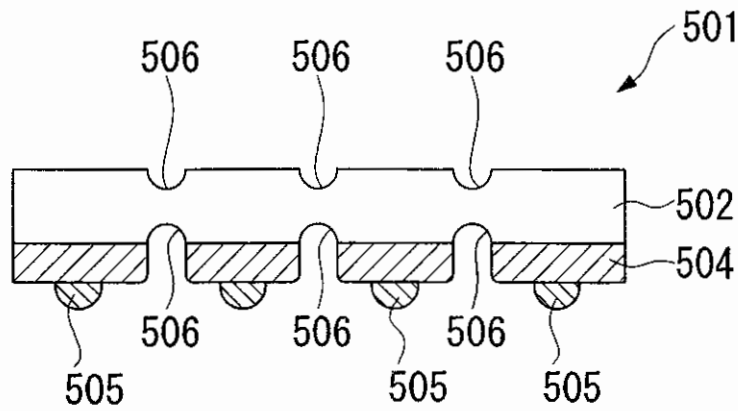
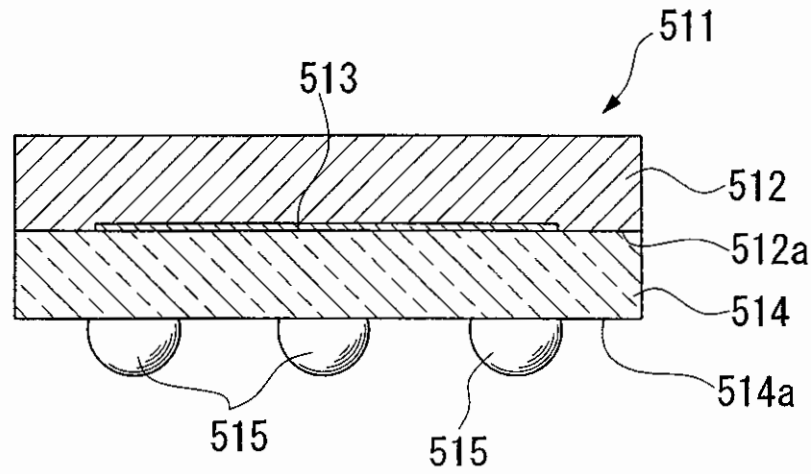

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FIG.63


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