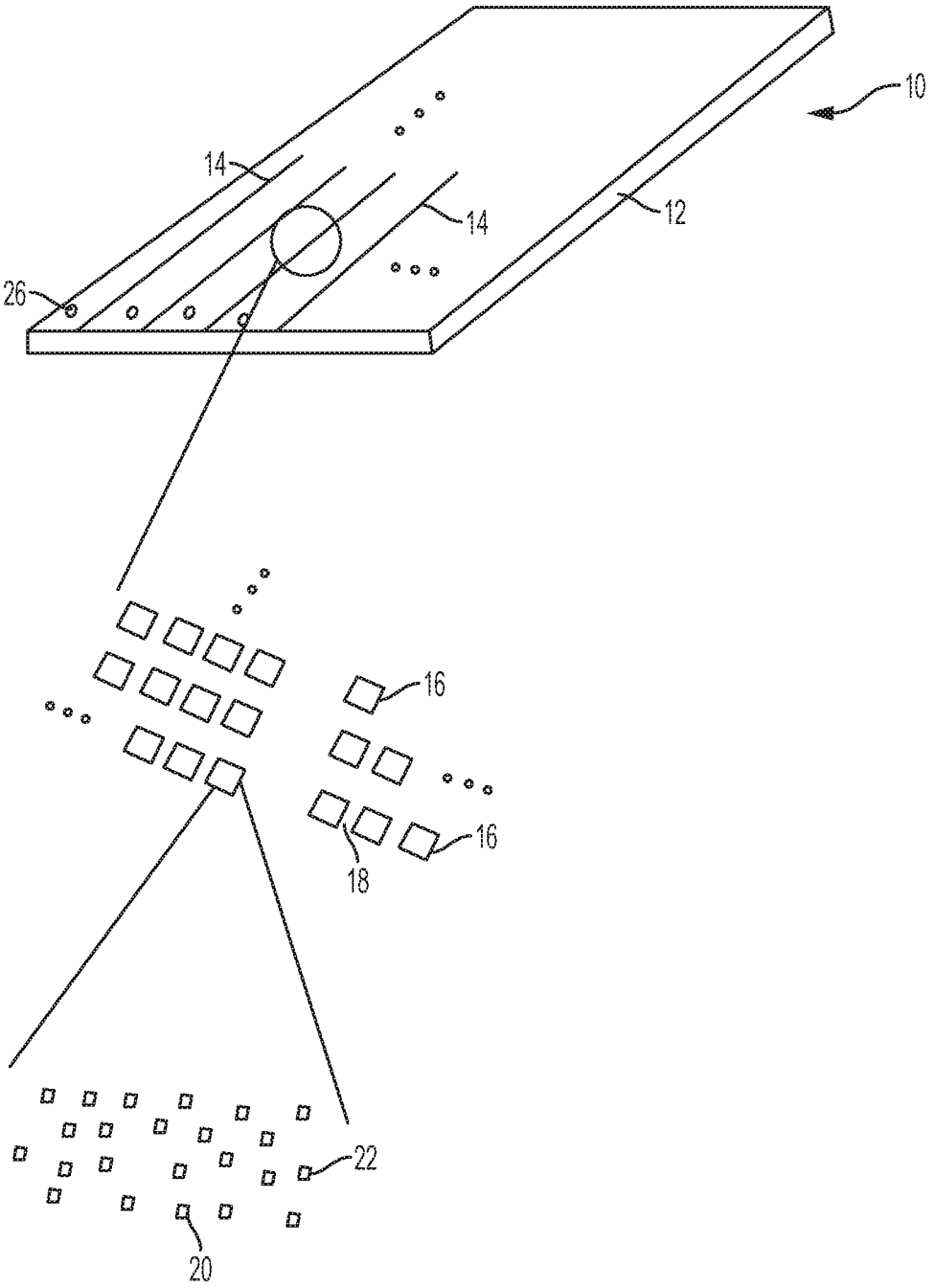


FIG. 1

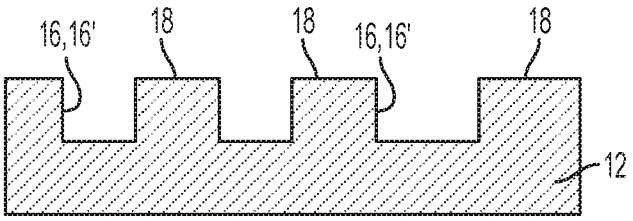


FIG. 2A

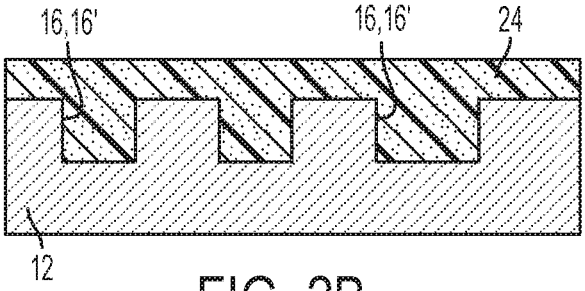


FIG. 2B

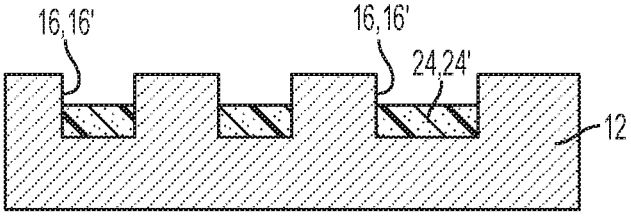


FIG. 2C

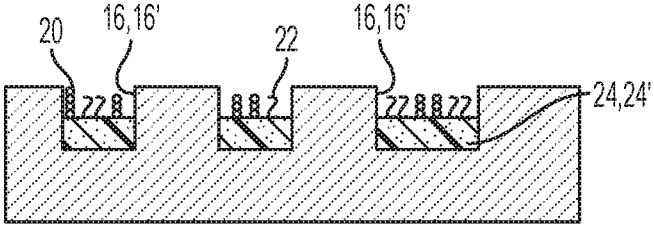


FIG. 2D

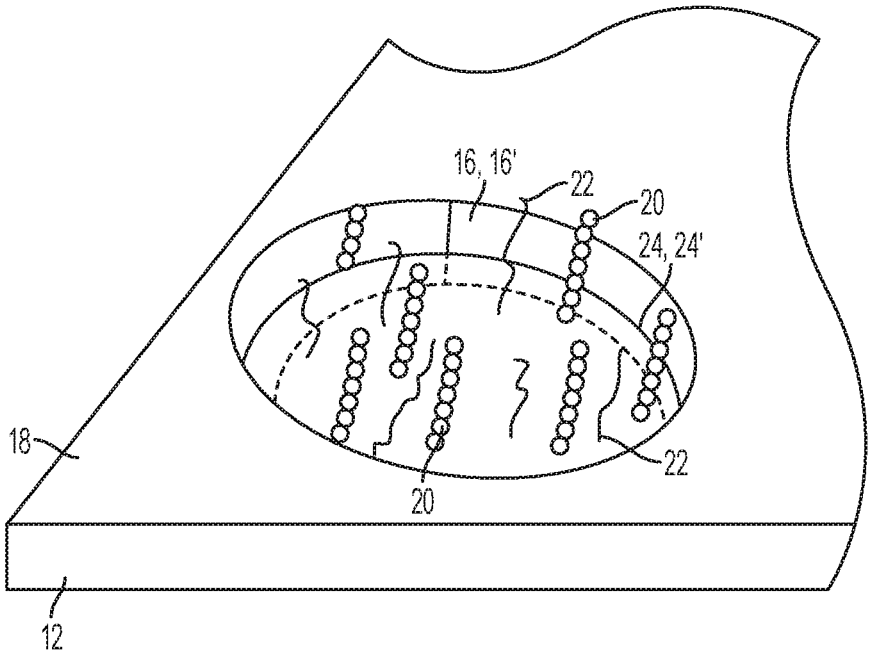


FIG. 3

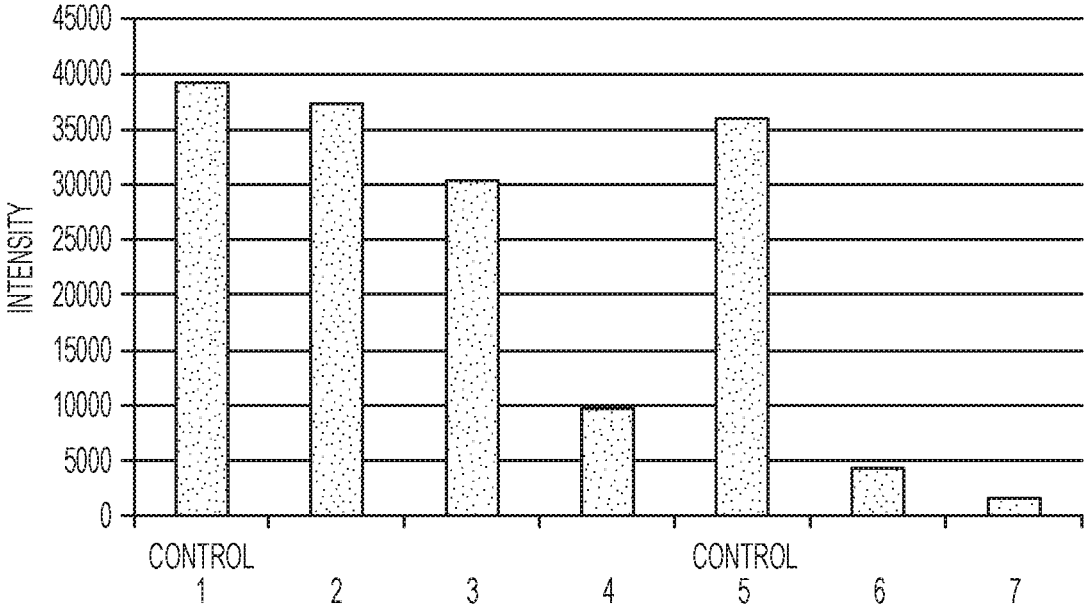

45000
40000
35000
30000
25000
20000
15000
10000
5000
0
INTENSITY
CONTROL
1
2
3
4
CONTROL
5
6
7

FIG. 4

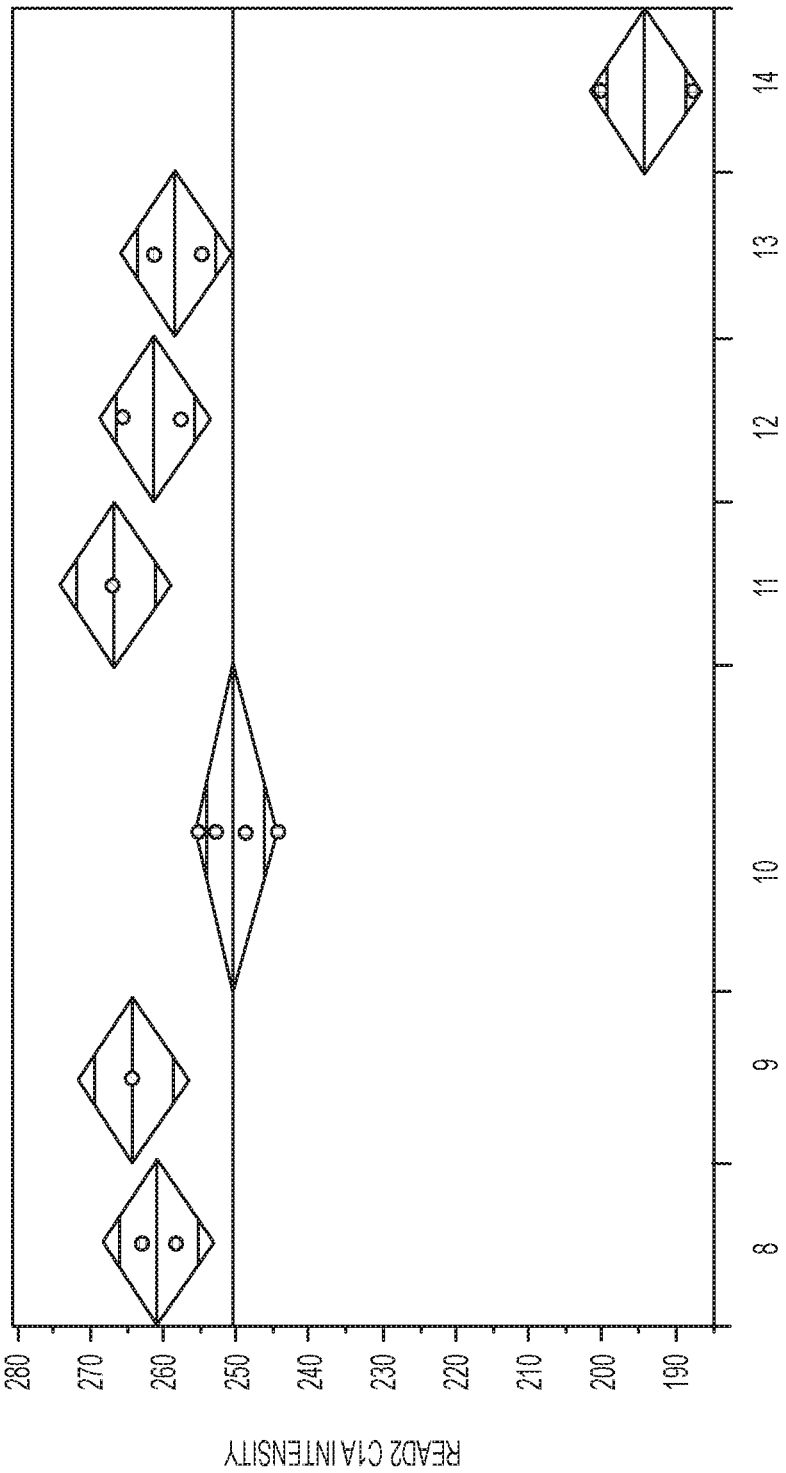

280
270
260
250
240
230
220
210
200
190
8
9
10
11
12
13
14
READ2 C1A INTENSITY

FIG. 5

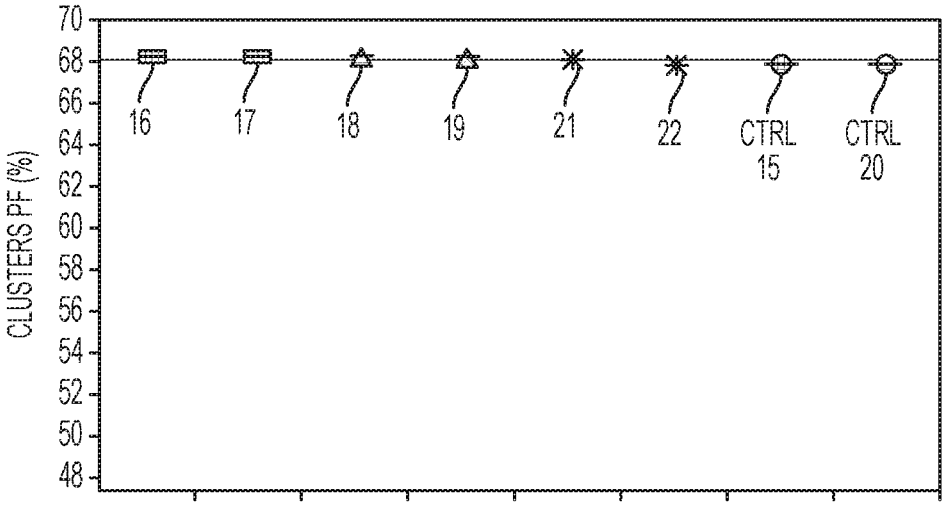

CLUSTERS PF (%)
70
68
66
64
62
60
58
56
54
52
50
48
16
17
18
19
21
22
CTRL 15
CTRL 20

FIG. 6A

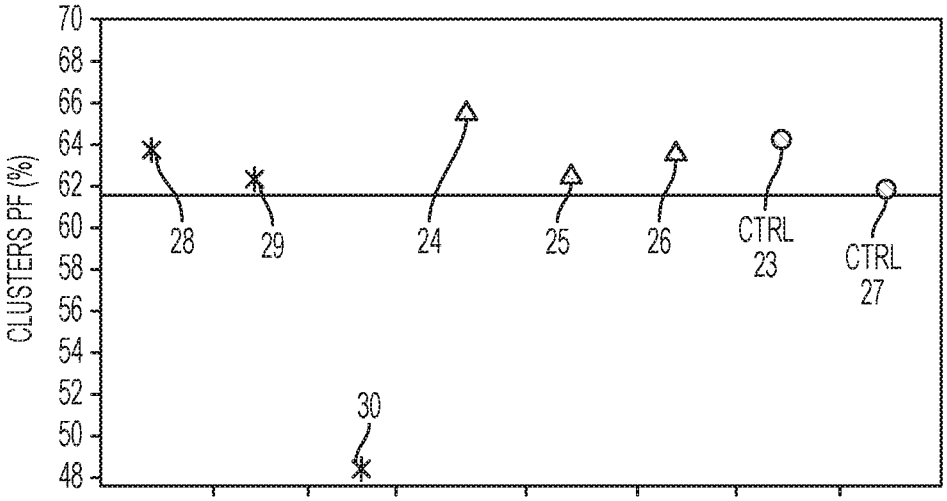

CLUSTERS PF (%)
70
68
66
64
62
60
58
56
54
52
50
48
28
29
24
25
26
CTRL 23
CTRL 27
30

FIG. 6B

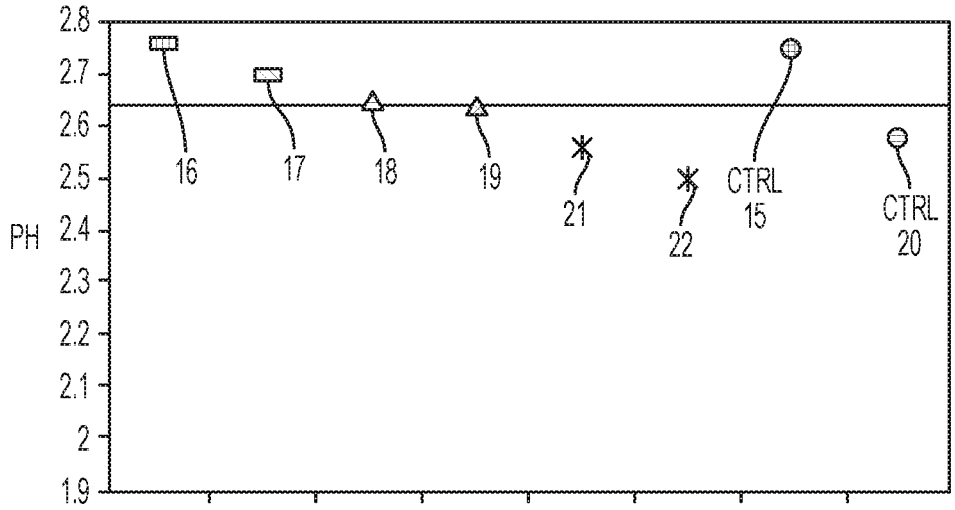

2.8
2.7
2.6
2.5
PH 2.4
2.3
2.2
2.1
2
1.9
16
17
18
19
21
22
CTRL 15
CTRL 20

FIG. 7A

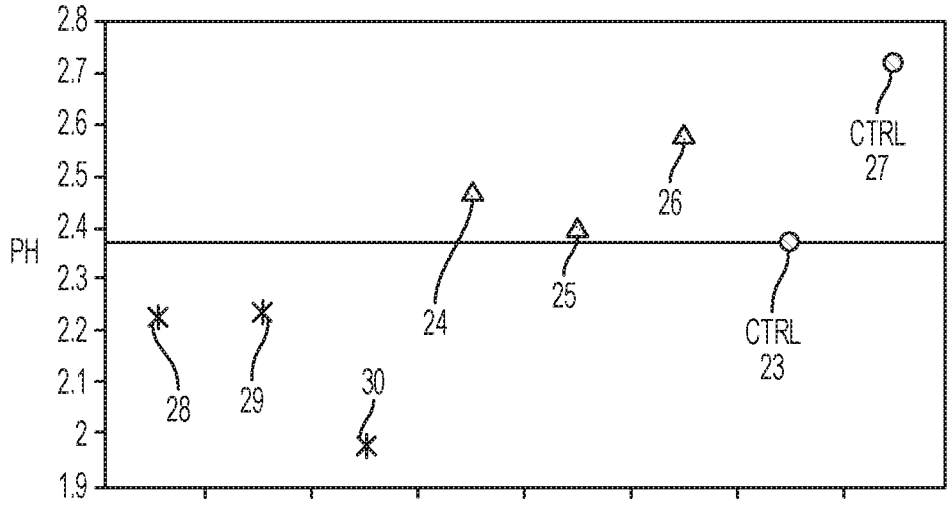

2.8
2.7
2.6
2.5
PH 2.4
2.3
2.2
2.1
2
1.9
28
29
30
24
25
26
CTRL 27
CTRL 23

FIG. 7B