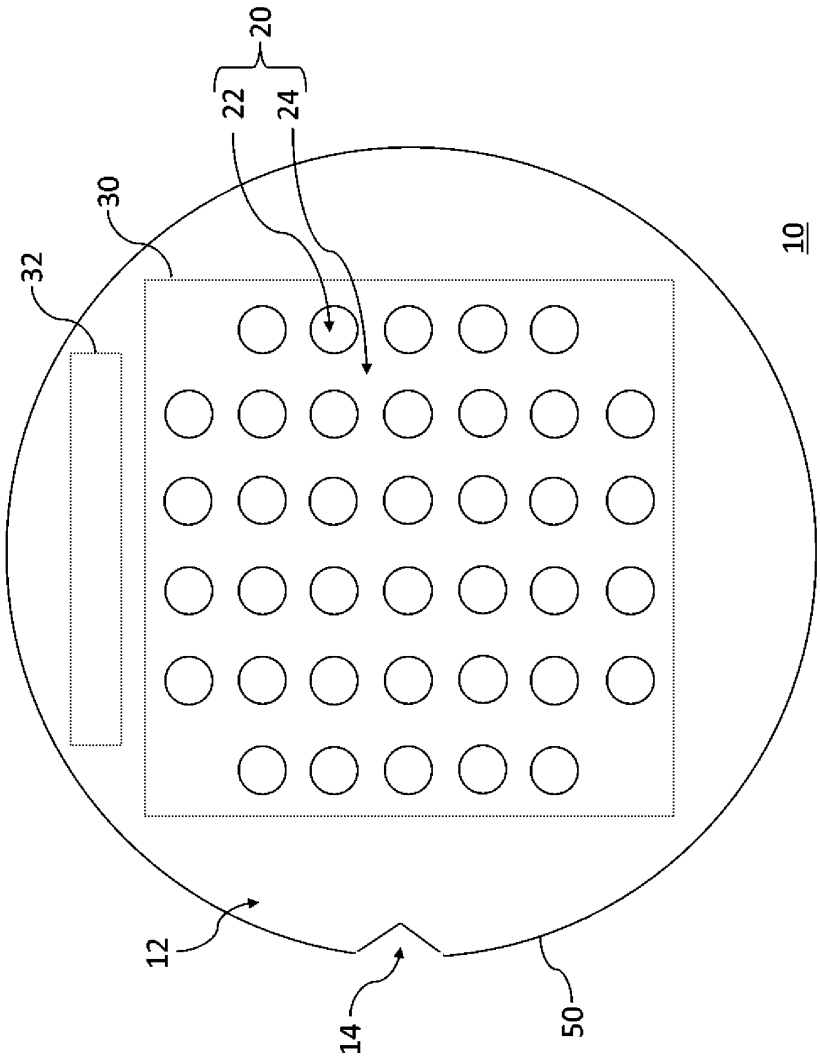
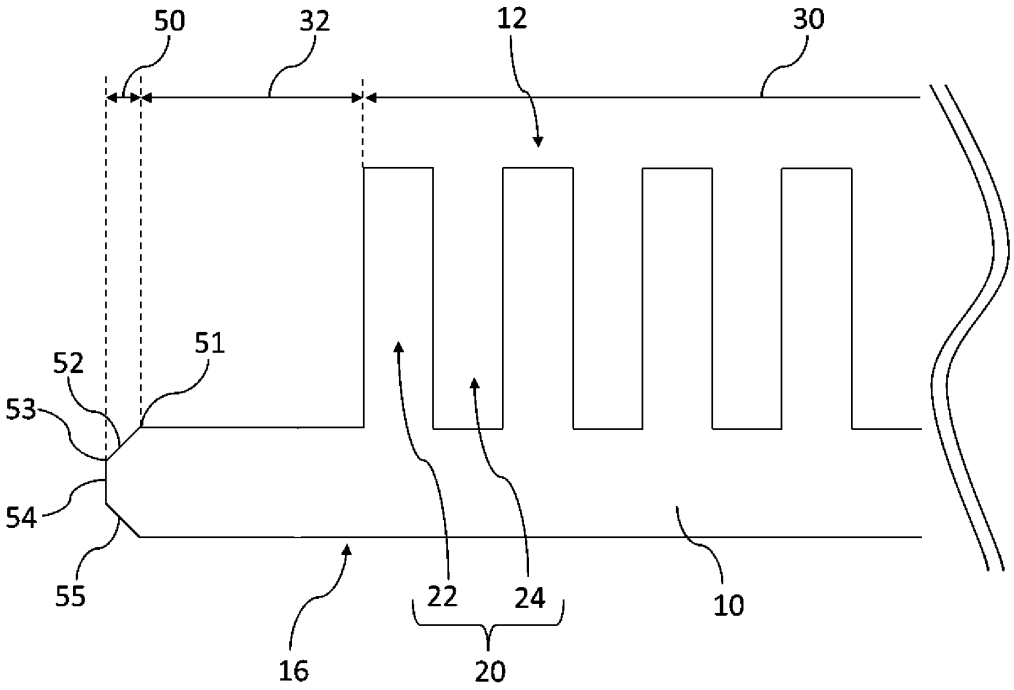
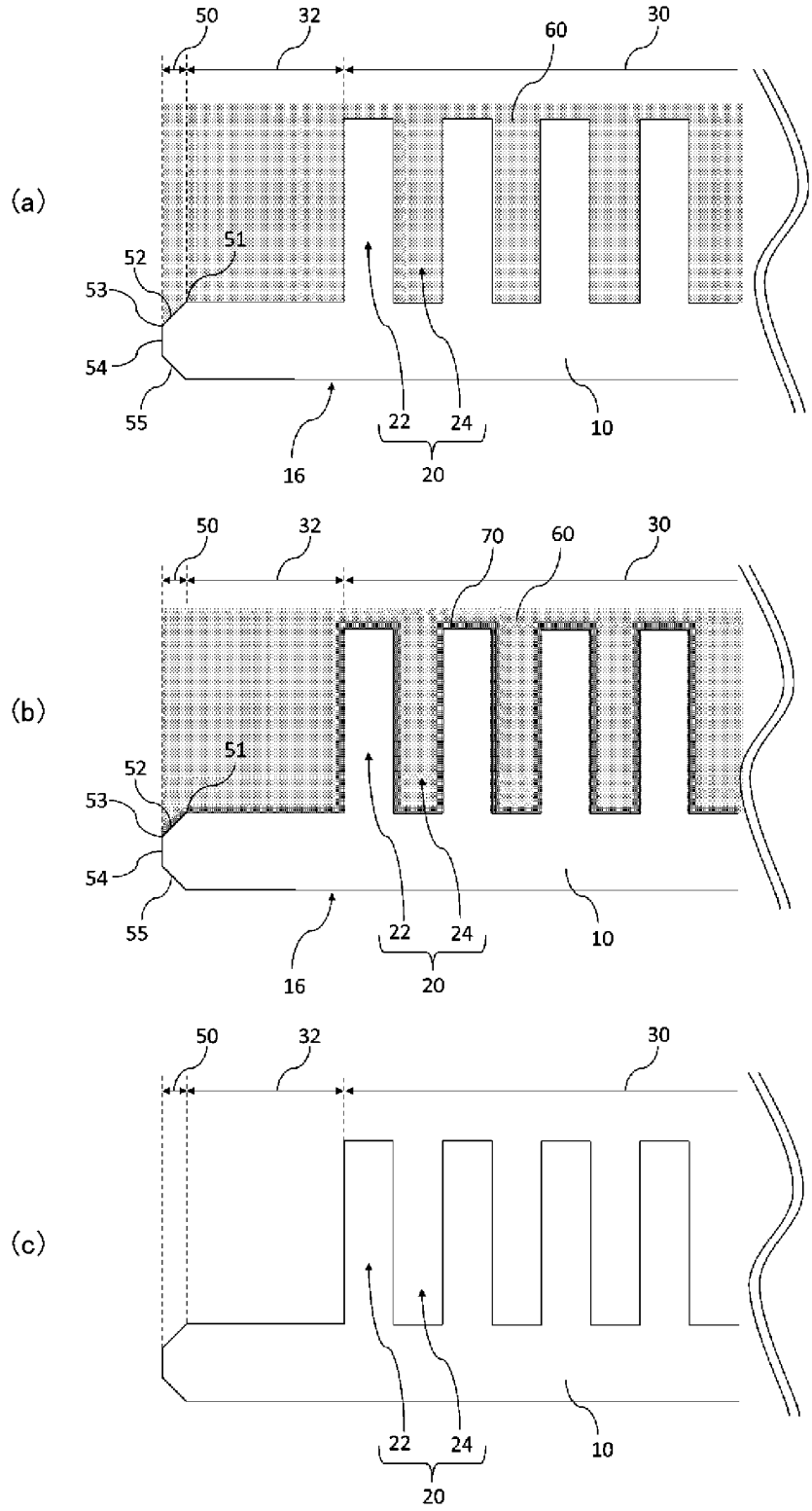
[図1]



[図2]



[図3]


(a)
50
32
60
30
51
52
53
54
55
16
22
24
20
10
(b)
50
32
70
60
30
51
52
53
54
55
16
22
24
20
10
(c)
50
32
30
22
24
20
10