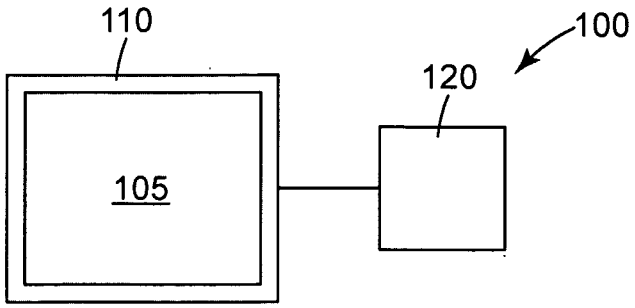

Fig. 1

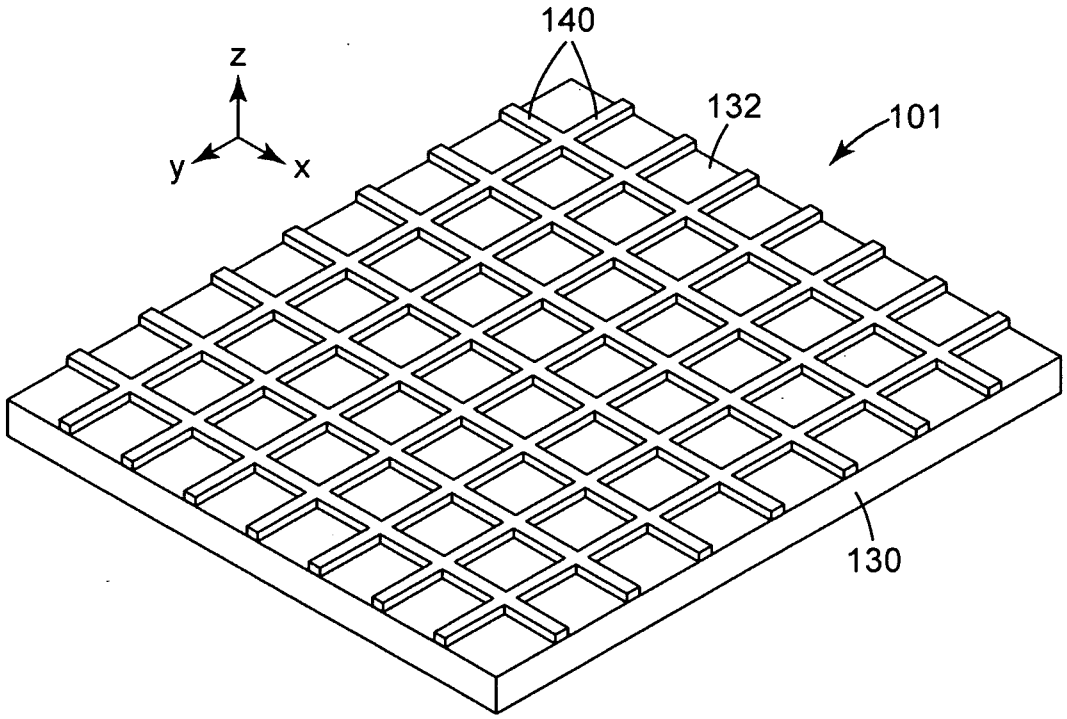

Fig. 2

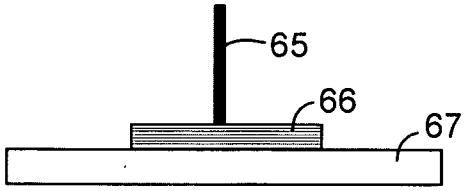

Fig. 3a

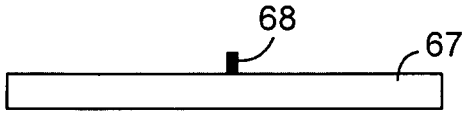

Fig. 3b

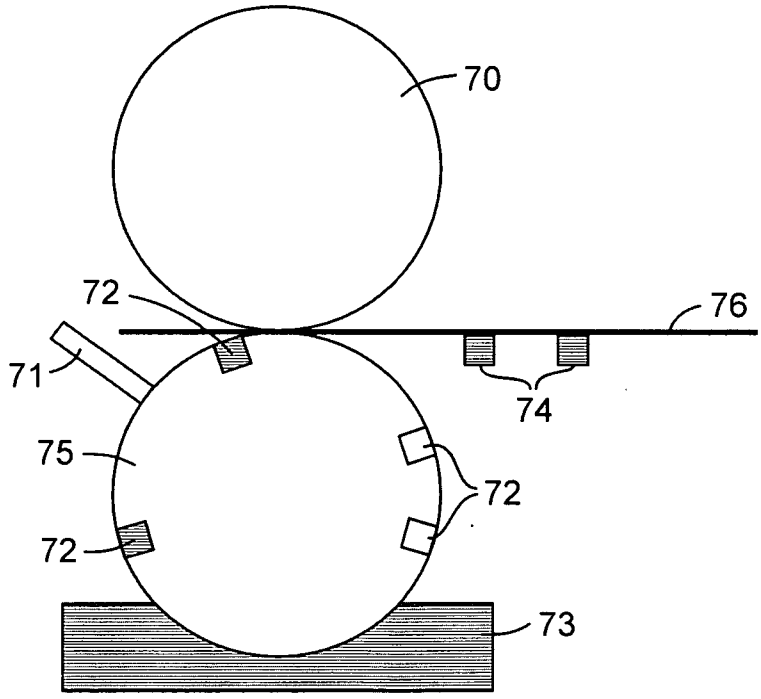

Fig. 4

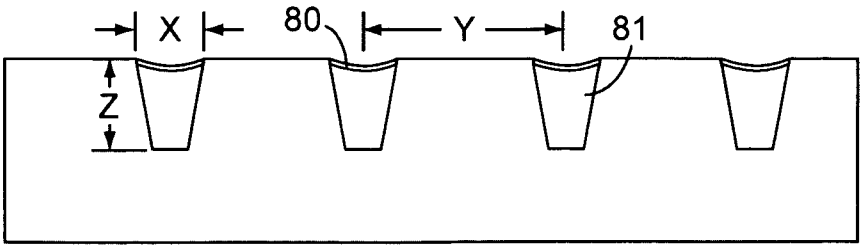

Fig. 5

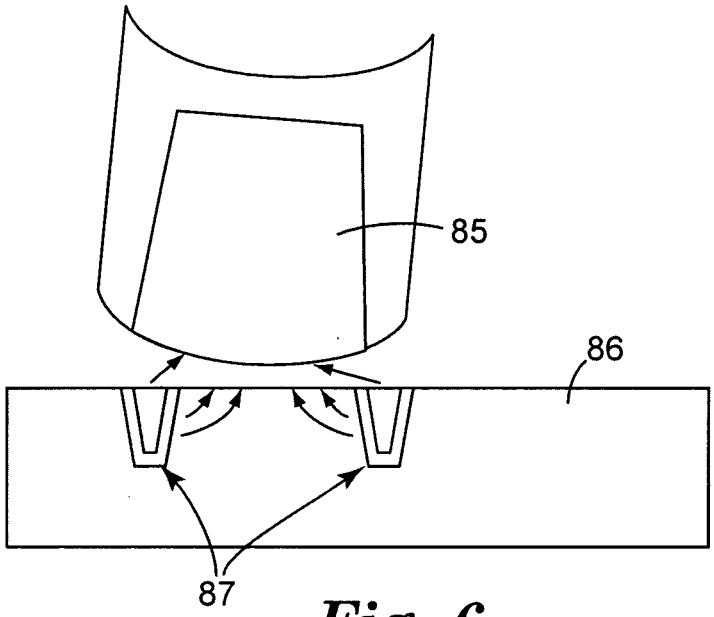

Fig. 6

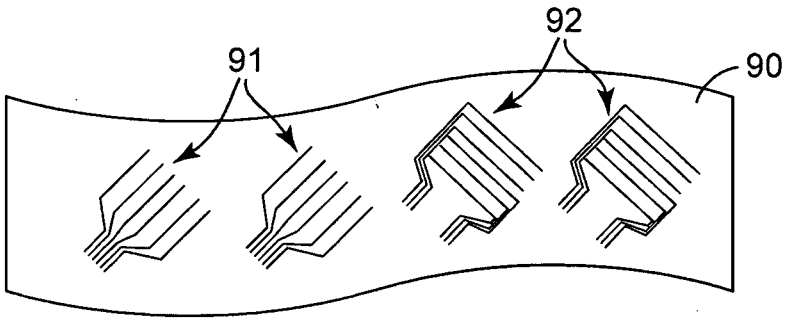

Fig. 7a

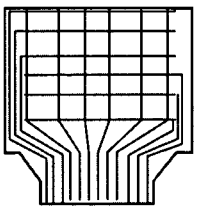

Fig. 7b

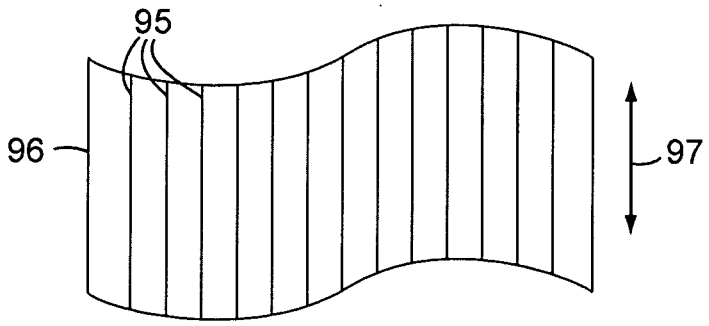

Fig. 8

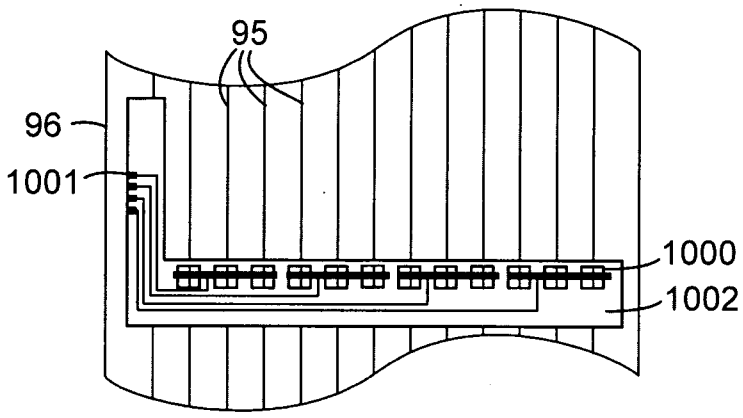

Fig. 9

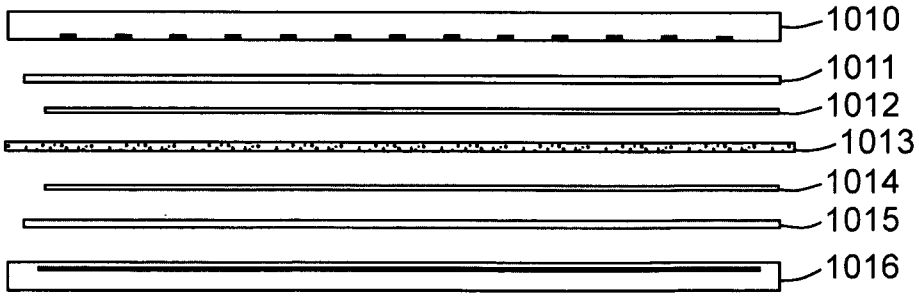

Fig. 10

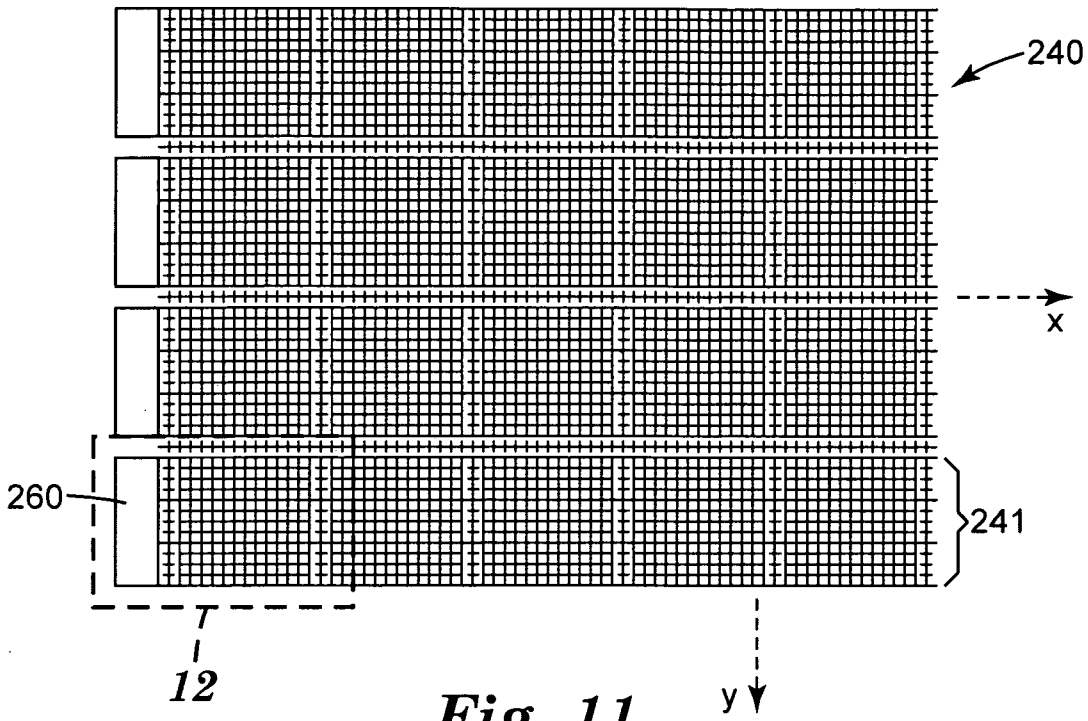

Fig. 11

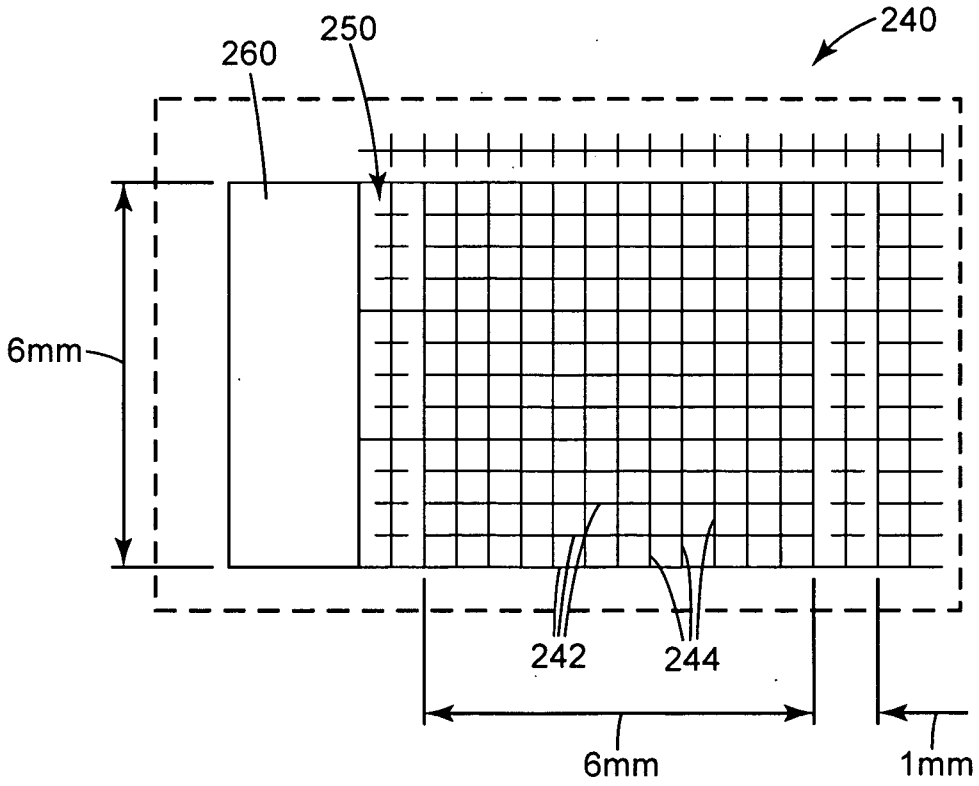

Fig. 12

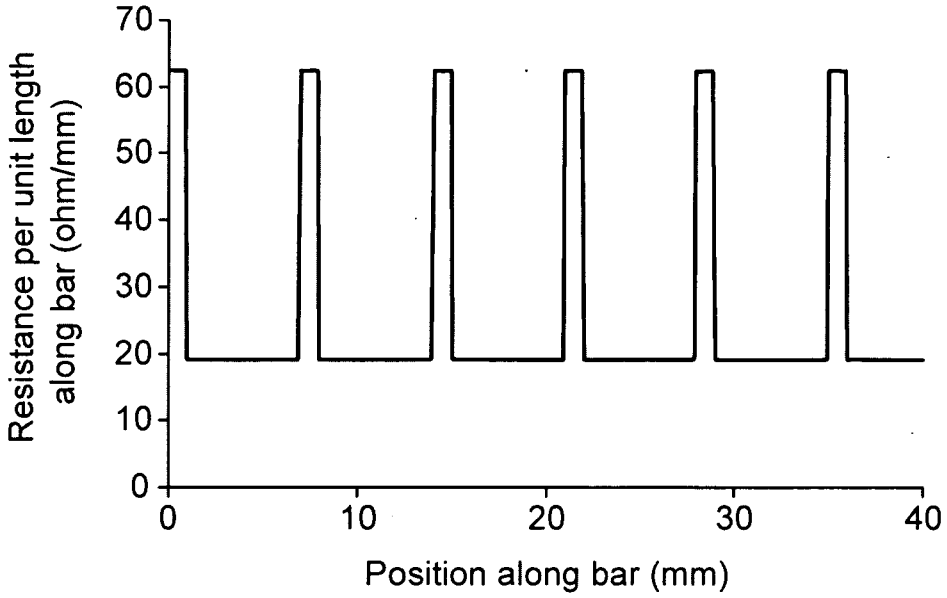
Resistance per unit length along bar (ohm/mm)
70
60
50
40
30
20
10
0
0
10
20
30
40
Position along bar (mm)

Fig. 13

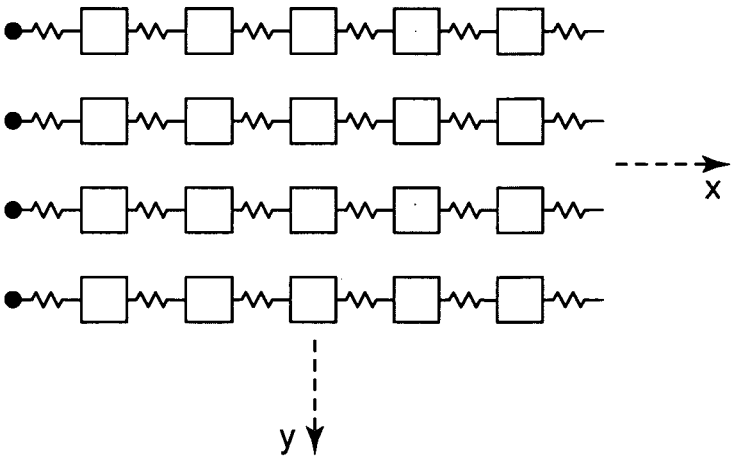
x
y

Fig. 14

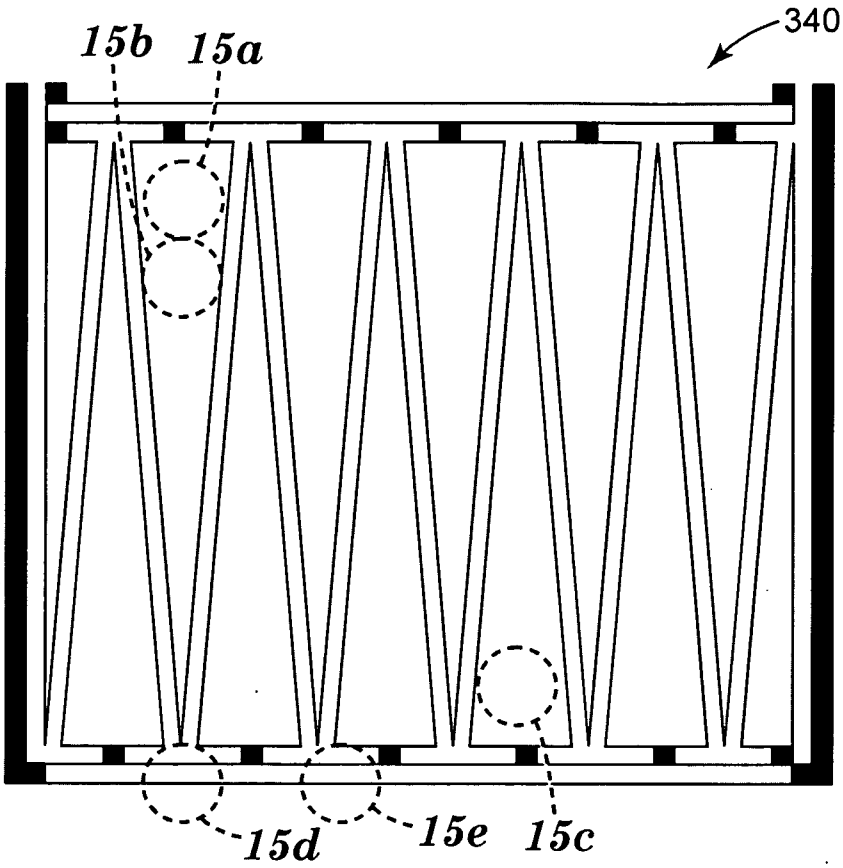

Fig. 15

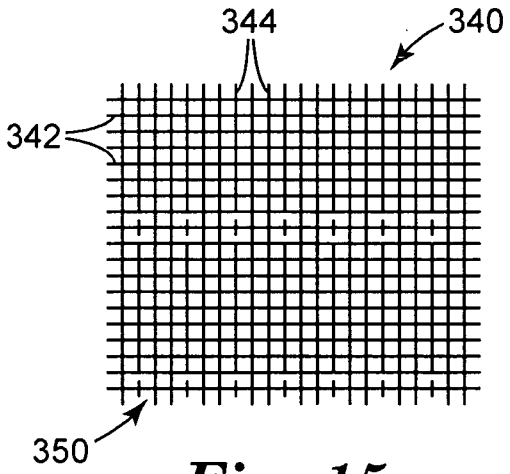

Fig. 15a

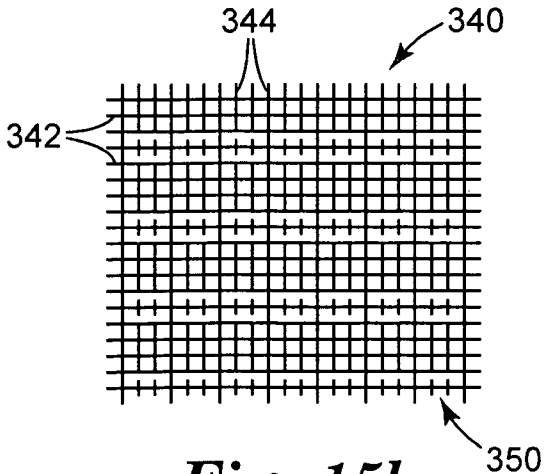

Fig. 15b

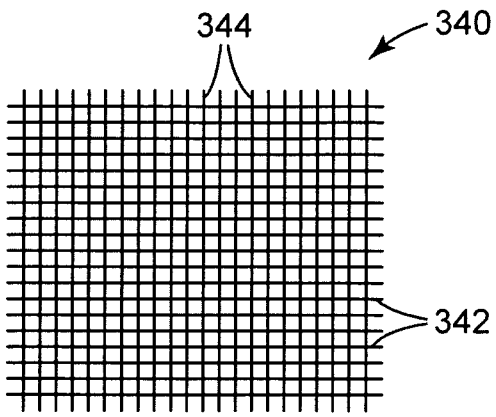

Fig. 15c

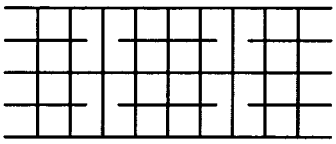

Fig. 15d

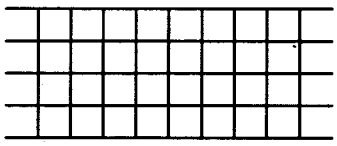

Fig. 15e

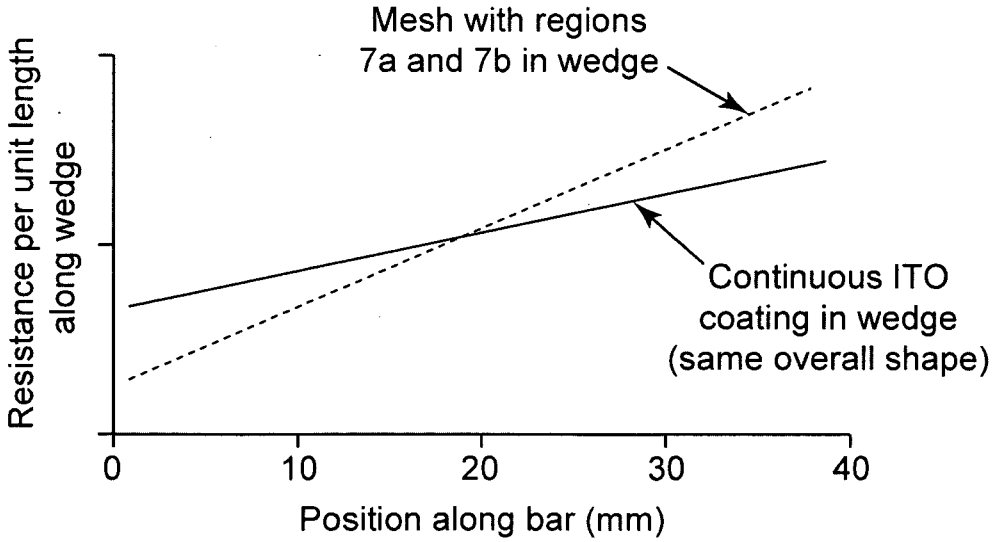

Fig. 16

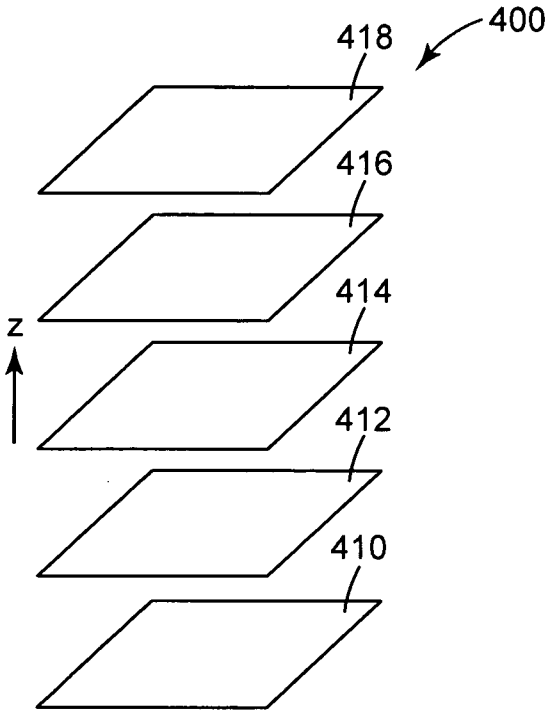

Fig. 17

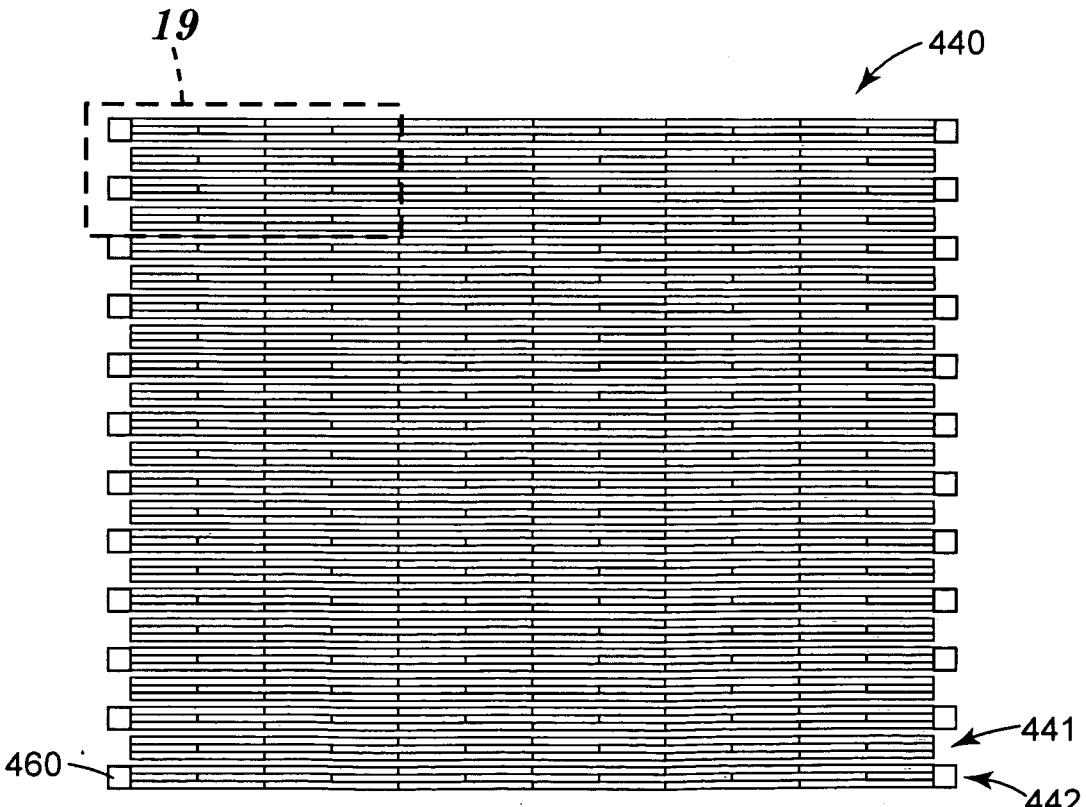

Fig. 18

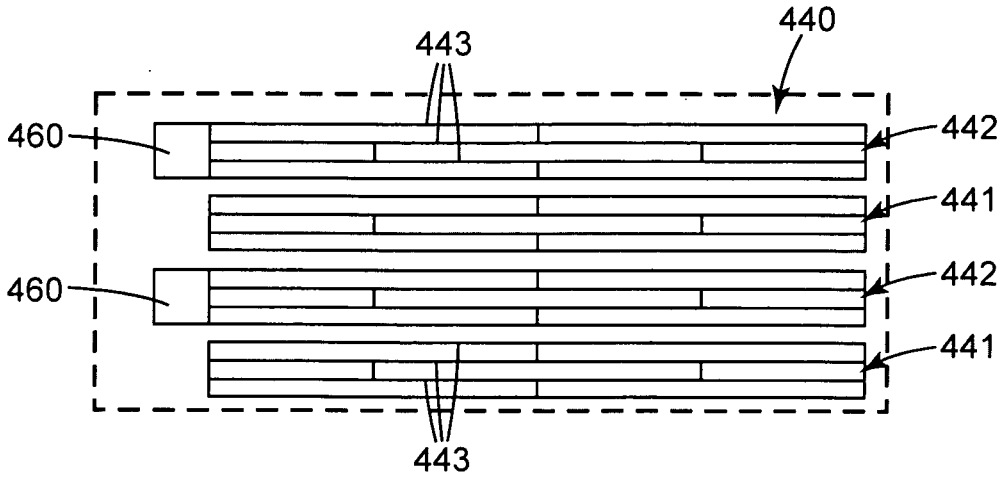

Fig. 19

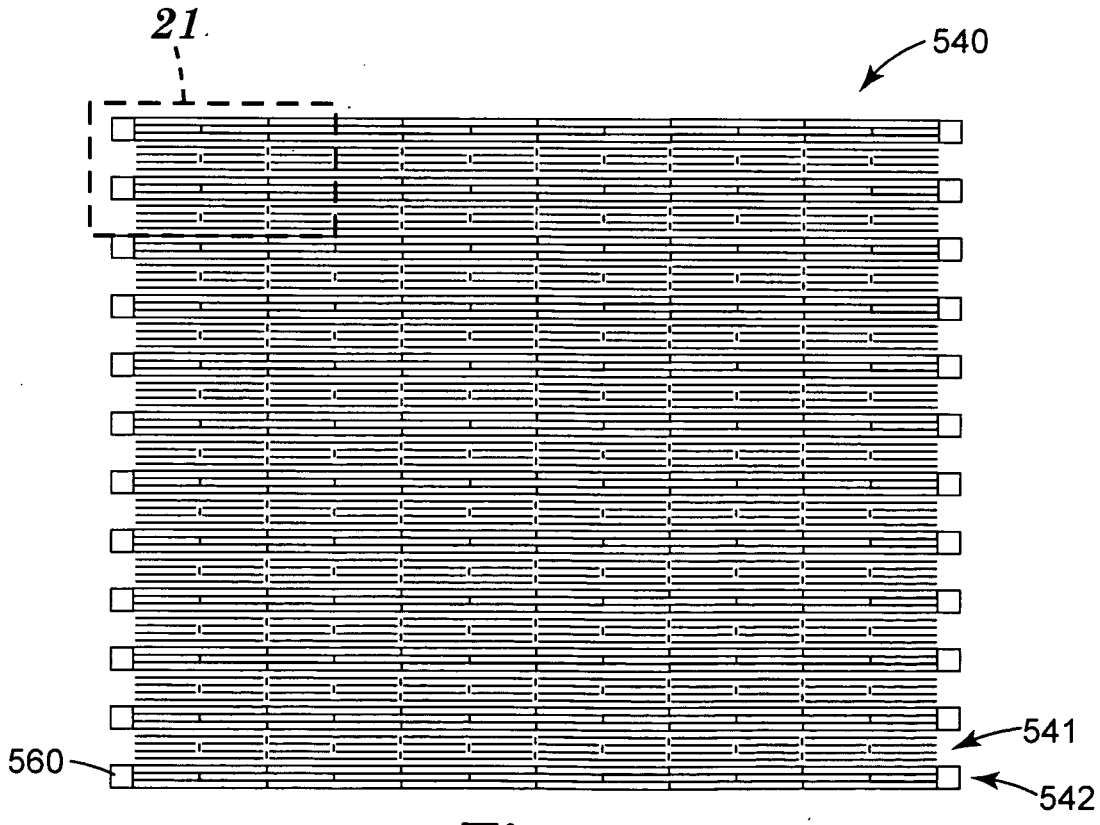

Fig. 20

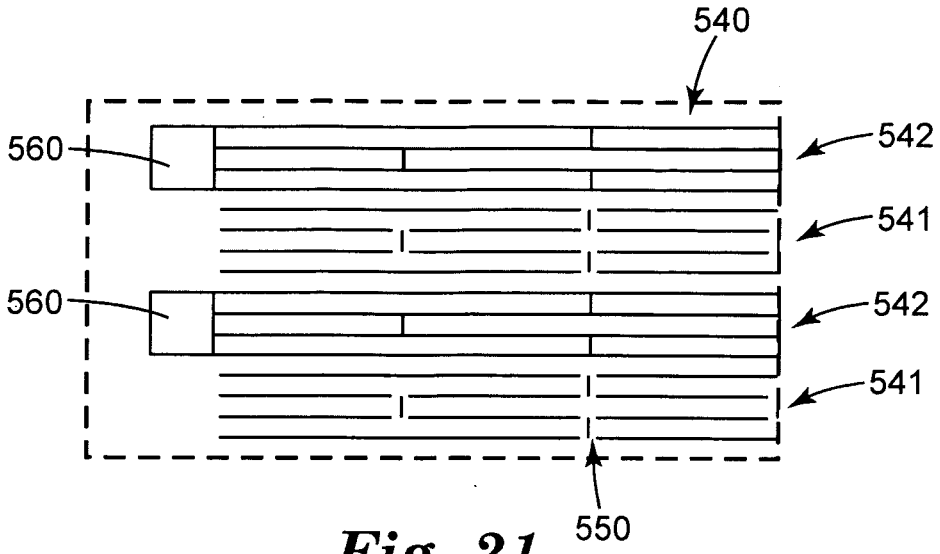

Fig. 21

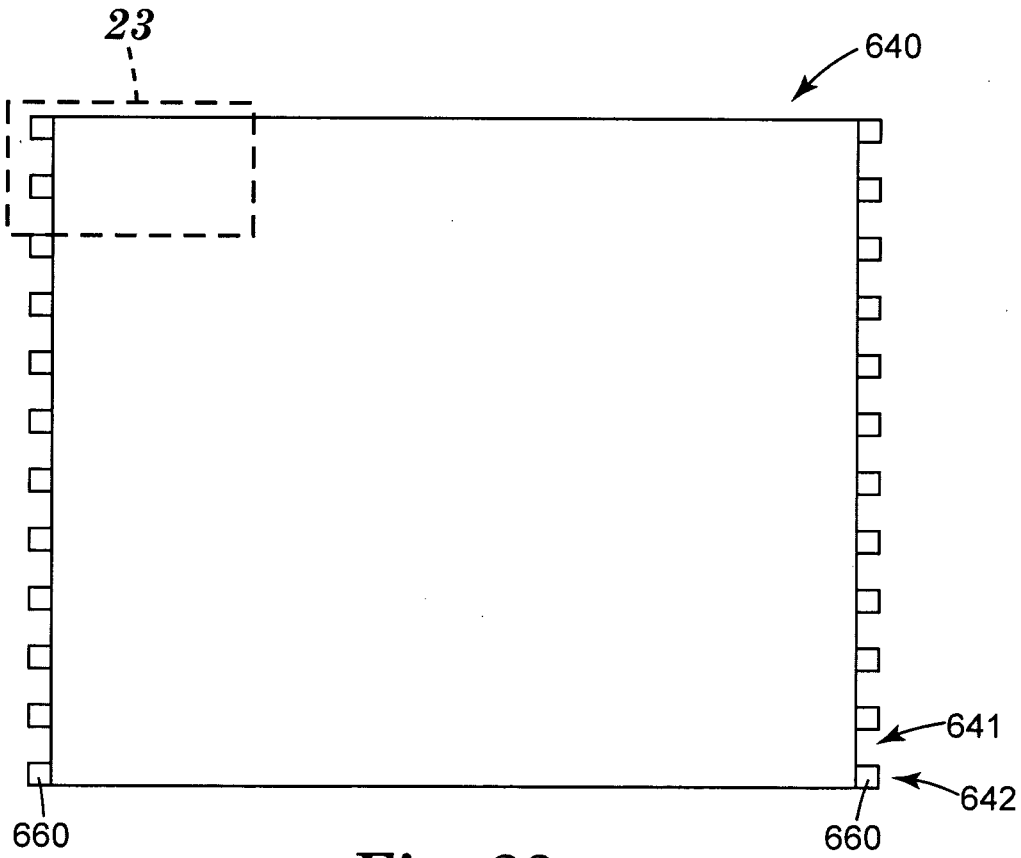

Fig. 22

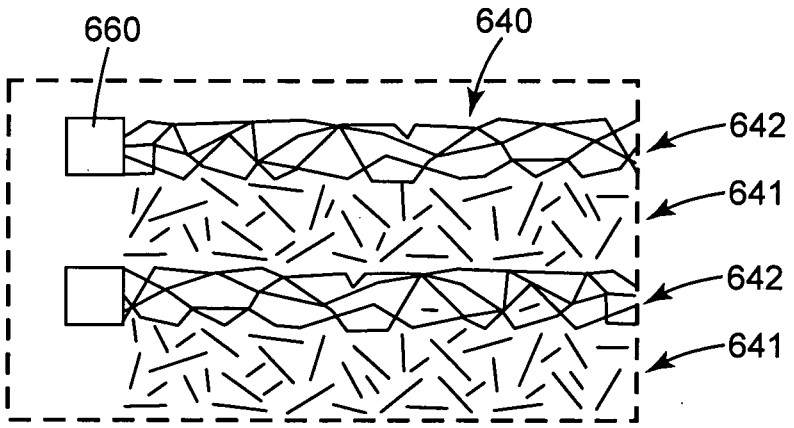
660
640
642
641
642
641

Fig. 23

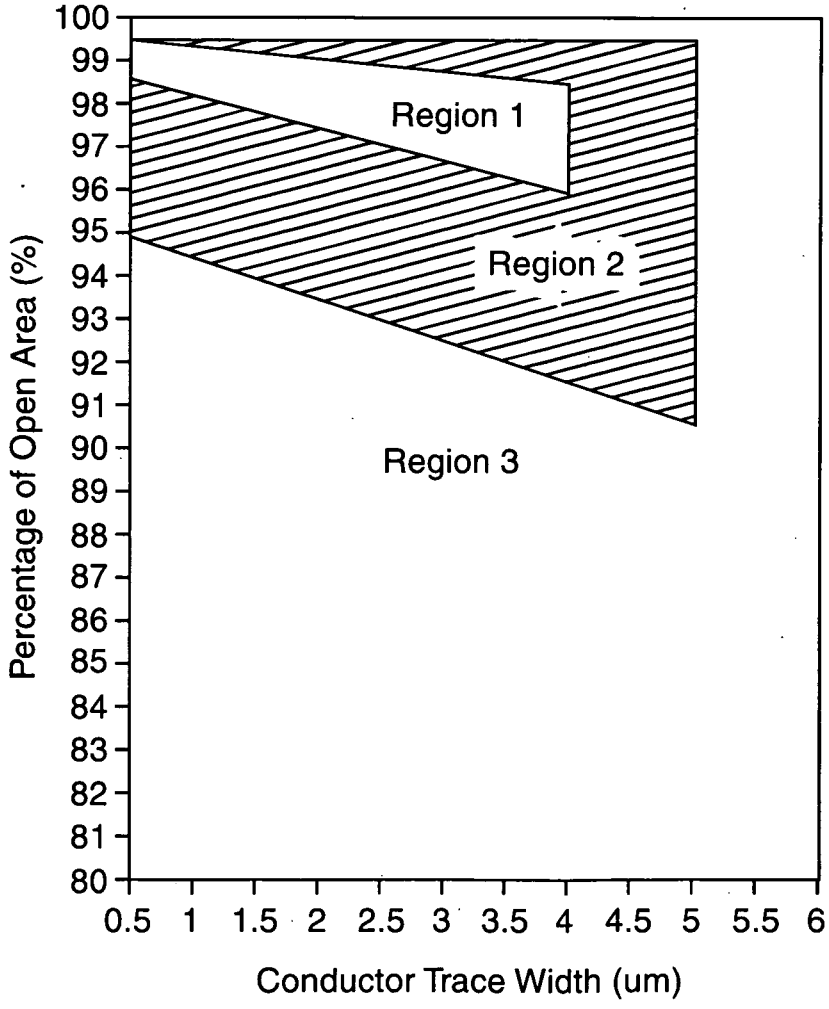
Region 1
Region 2
Region 3
Percentage of Open Area (%)
100
99
98
97
96
95
94
93
92
91
90
89
88
87
86
85
84
83
82
81
80
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
5.5
6
Conductor Trace Width (um)

Fig. 24

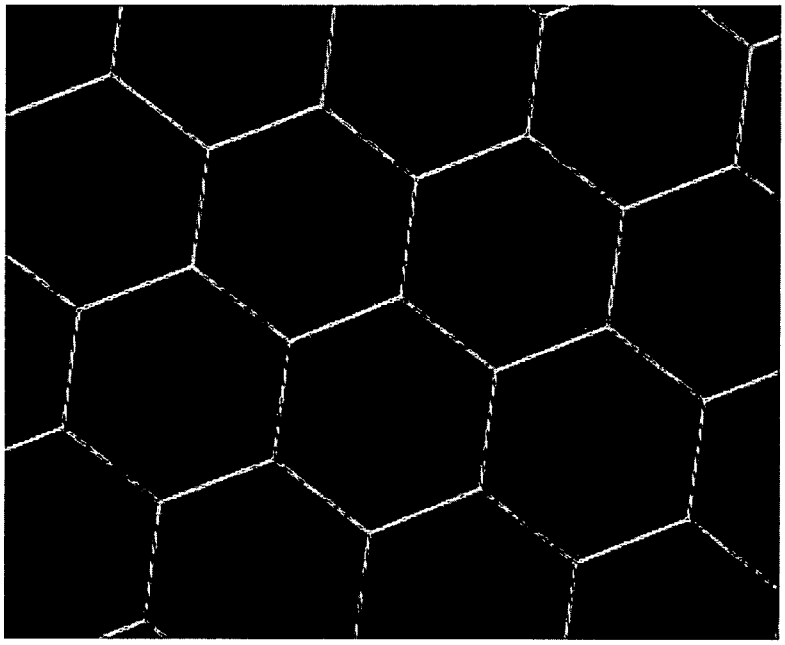

Fig. 25

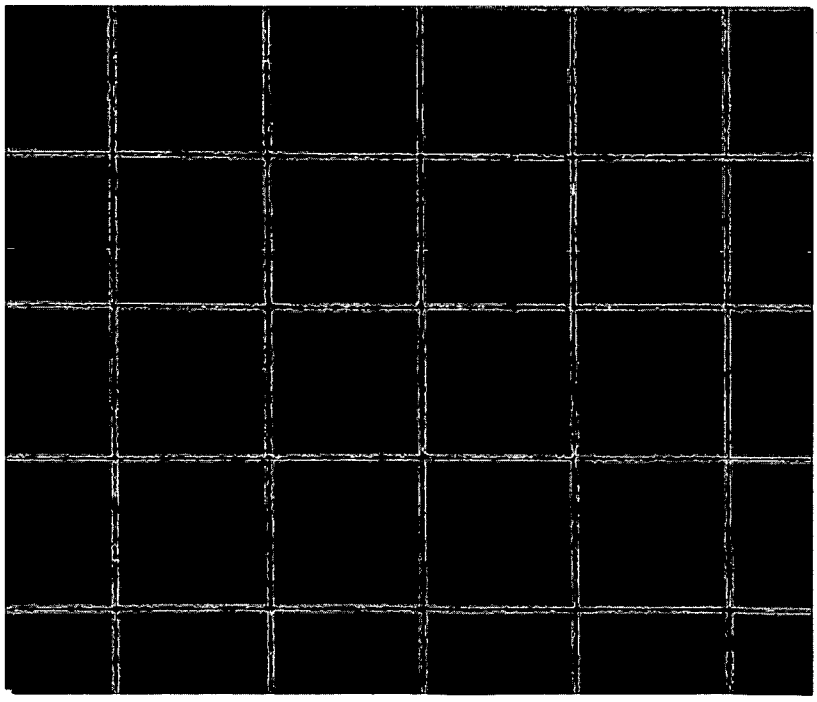

Fig. 26

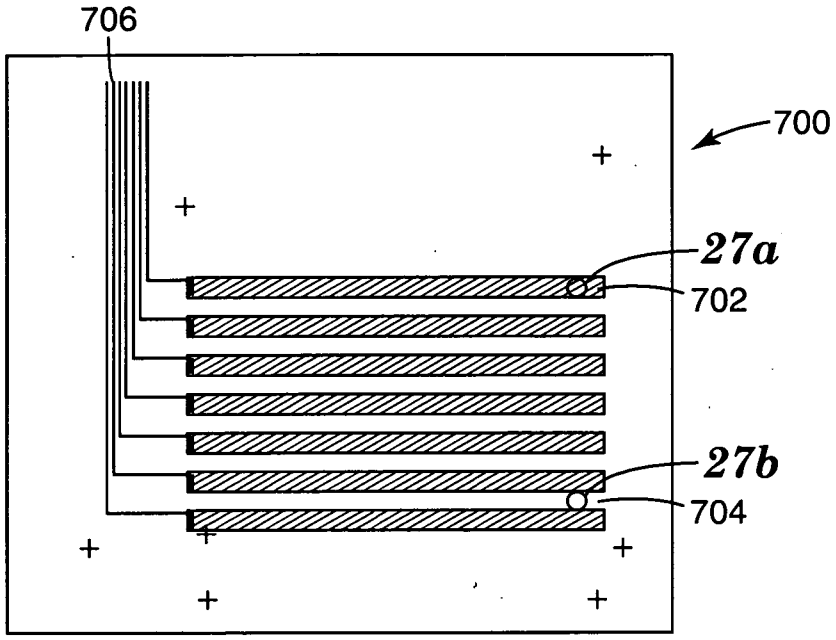

Fig. 27

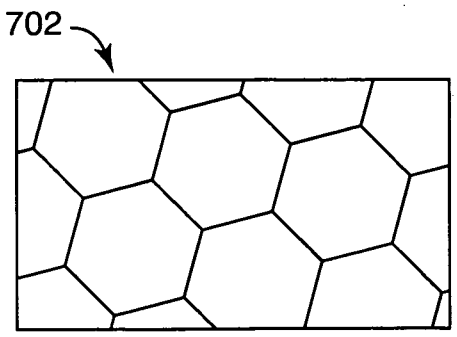

Fig. 27a

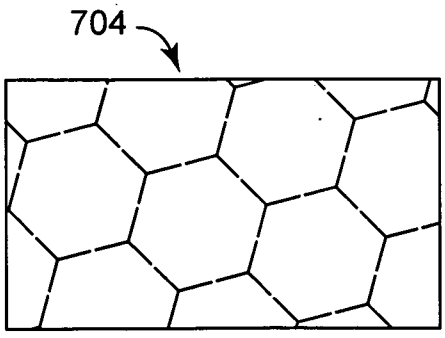

Fig. 27b

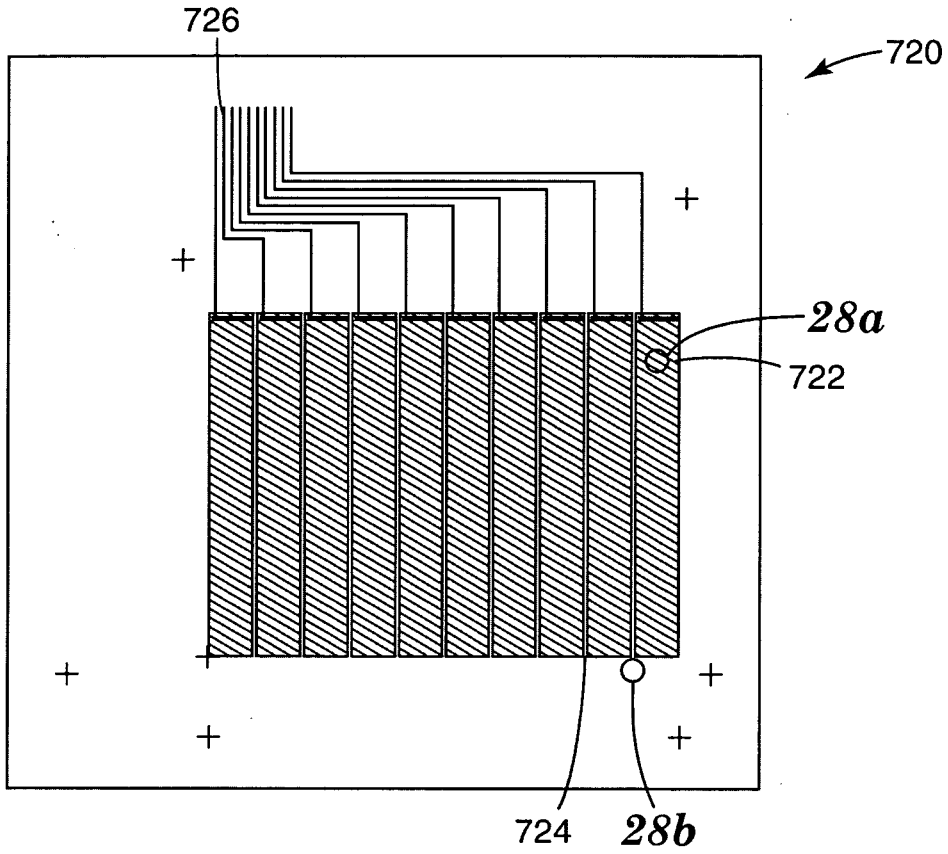

Fig. 28

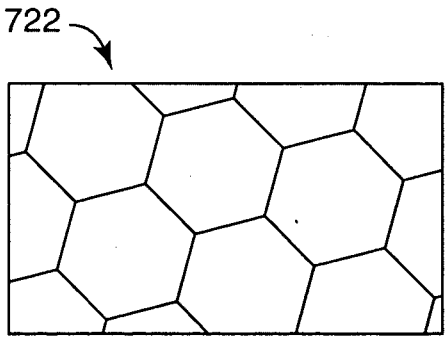

Fig. 28a

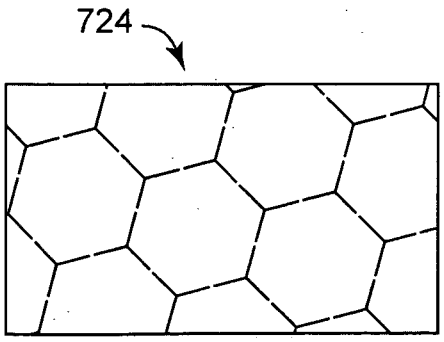

Fig. 28b

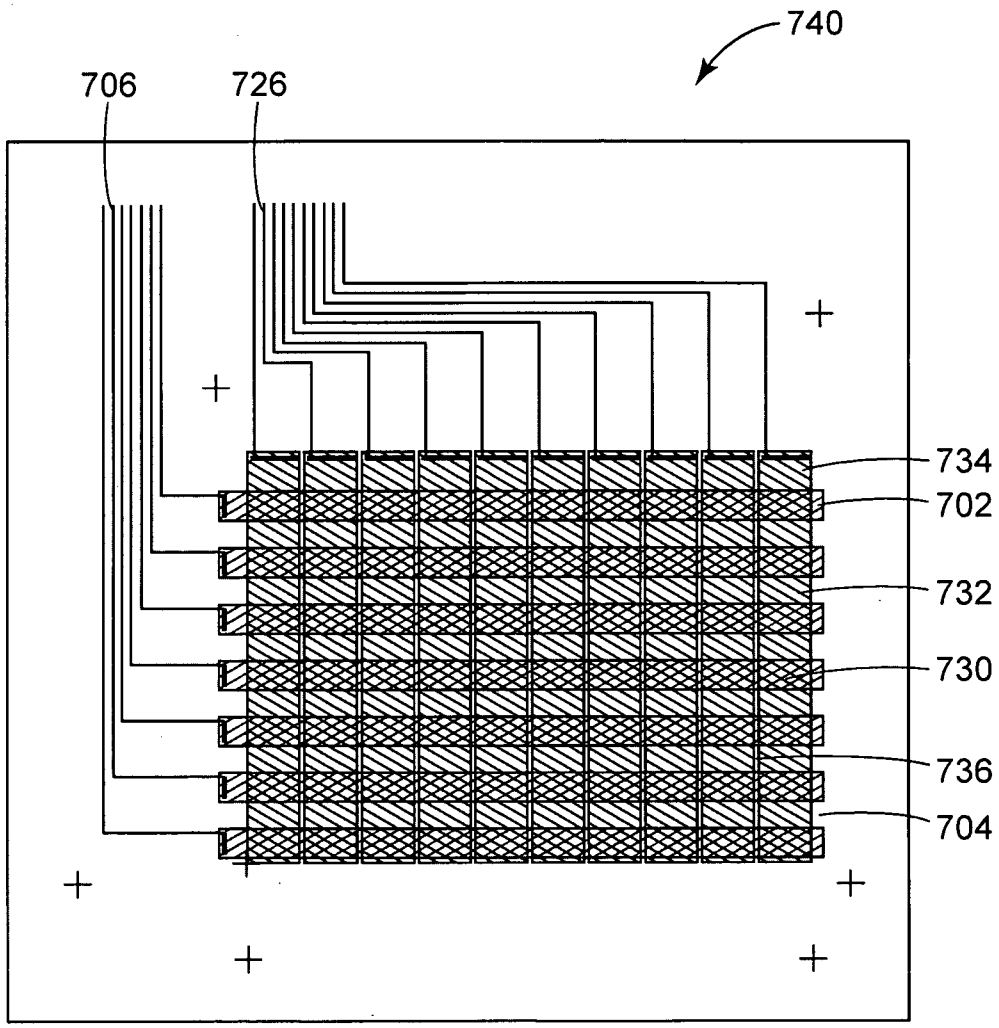

Fig. 29