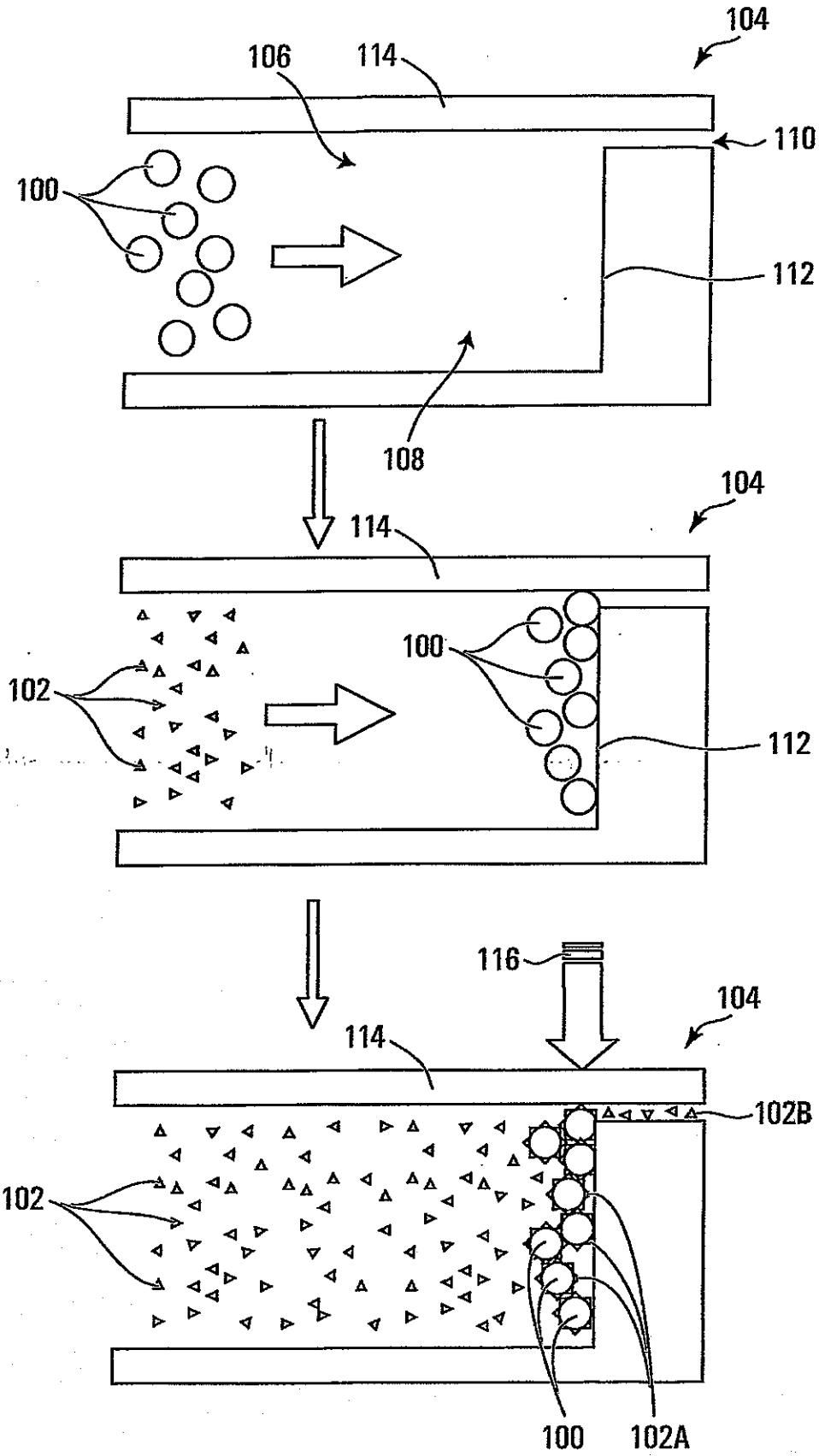

104
106
114
110
100
112
108
104
114
102
100
112
116
104
114
102B
102
100
102A

FIG. 1

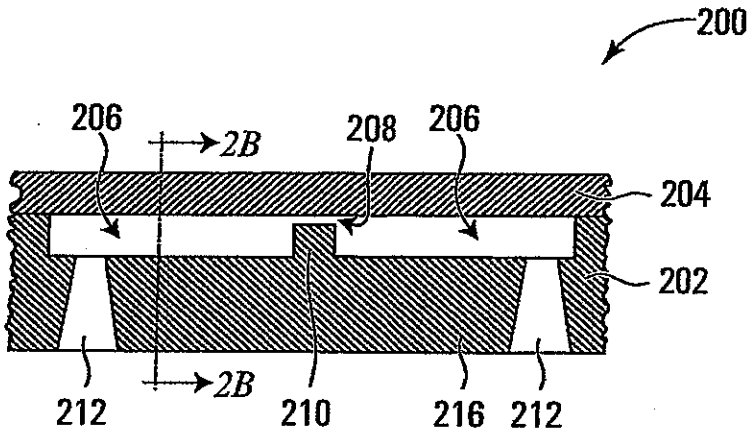


FIG. 2A

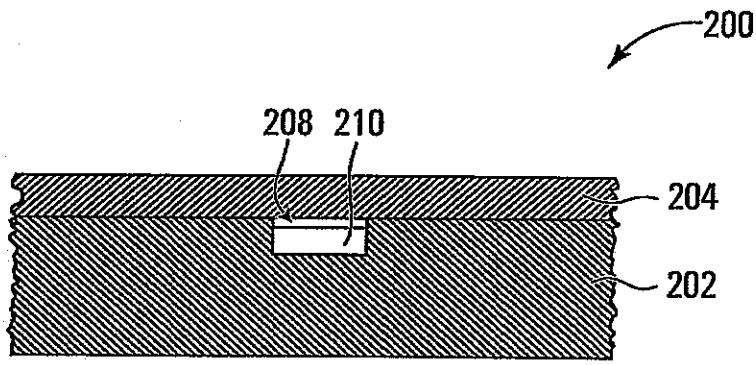


FIG. 2B

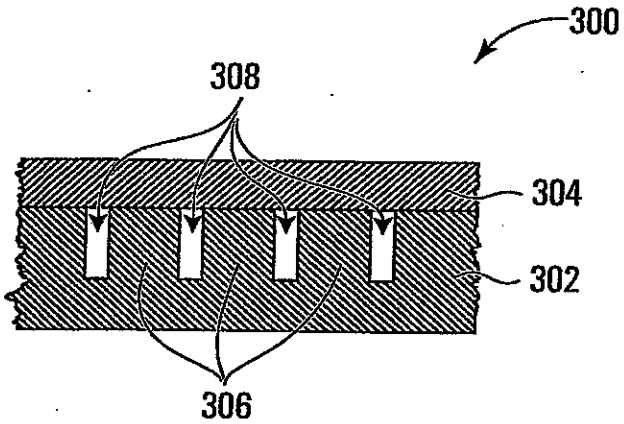


FIG. 3

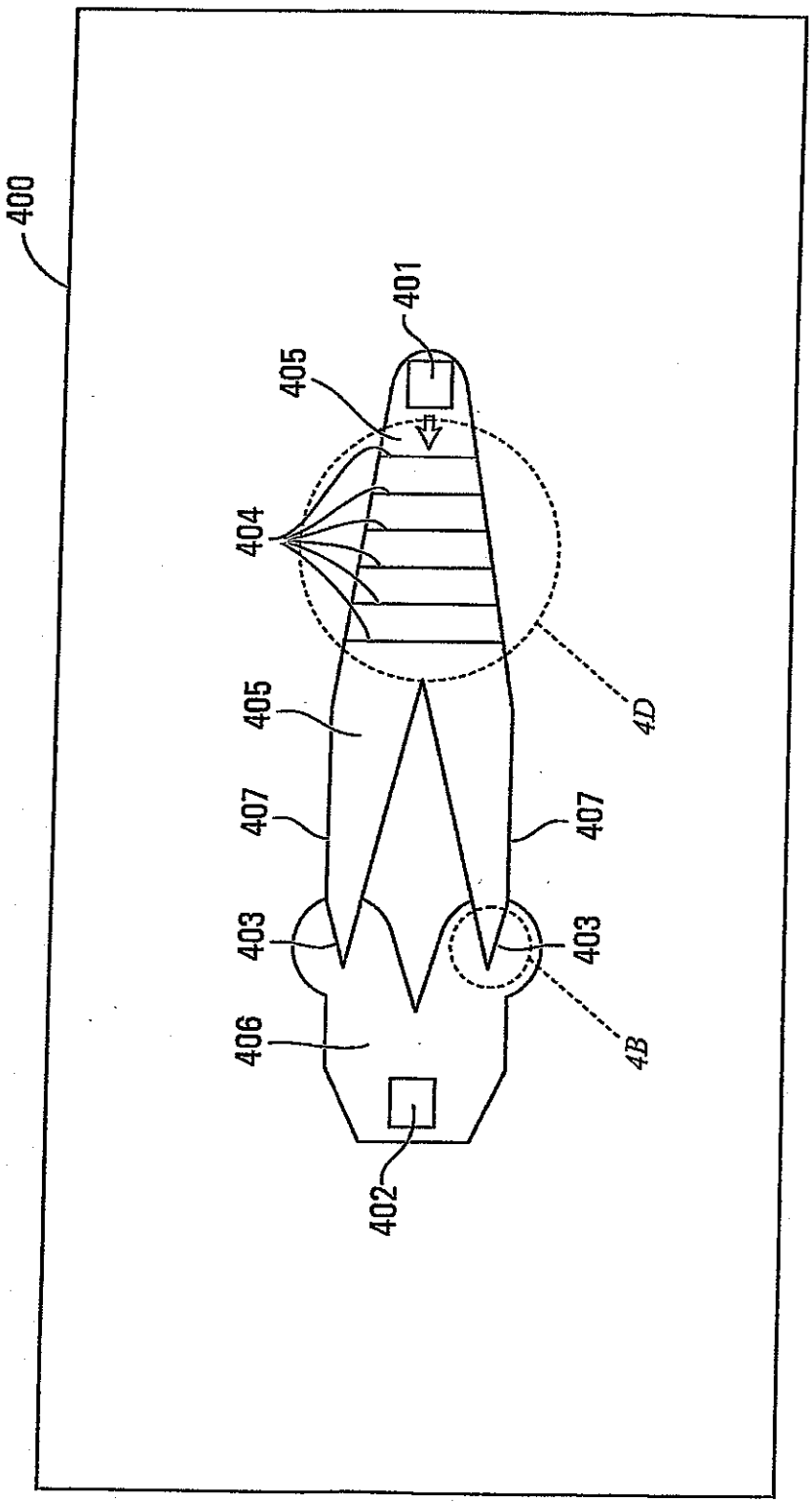


FIG. 4A

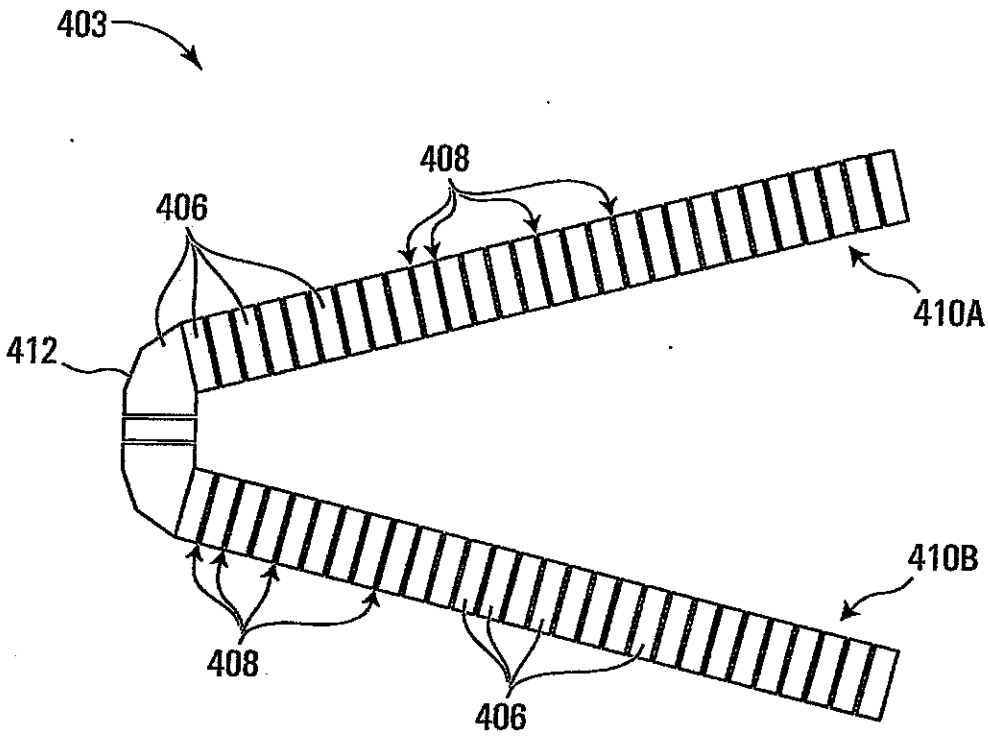


FIG. 4B

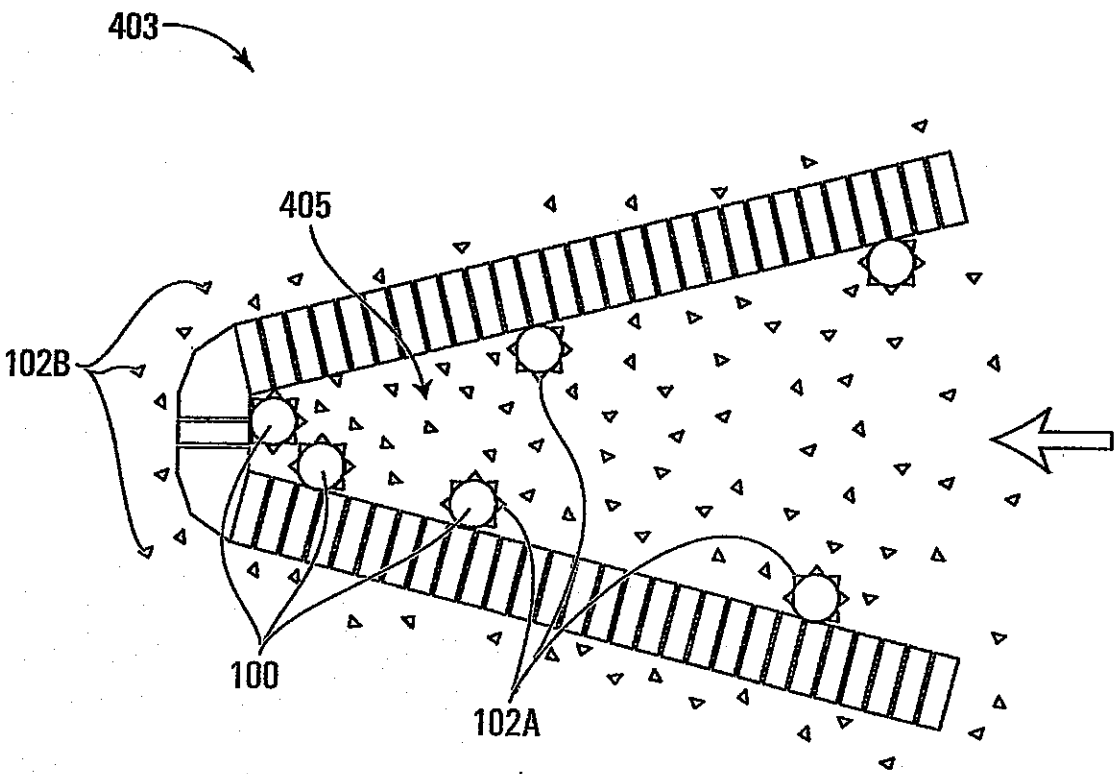


FIG. 4C

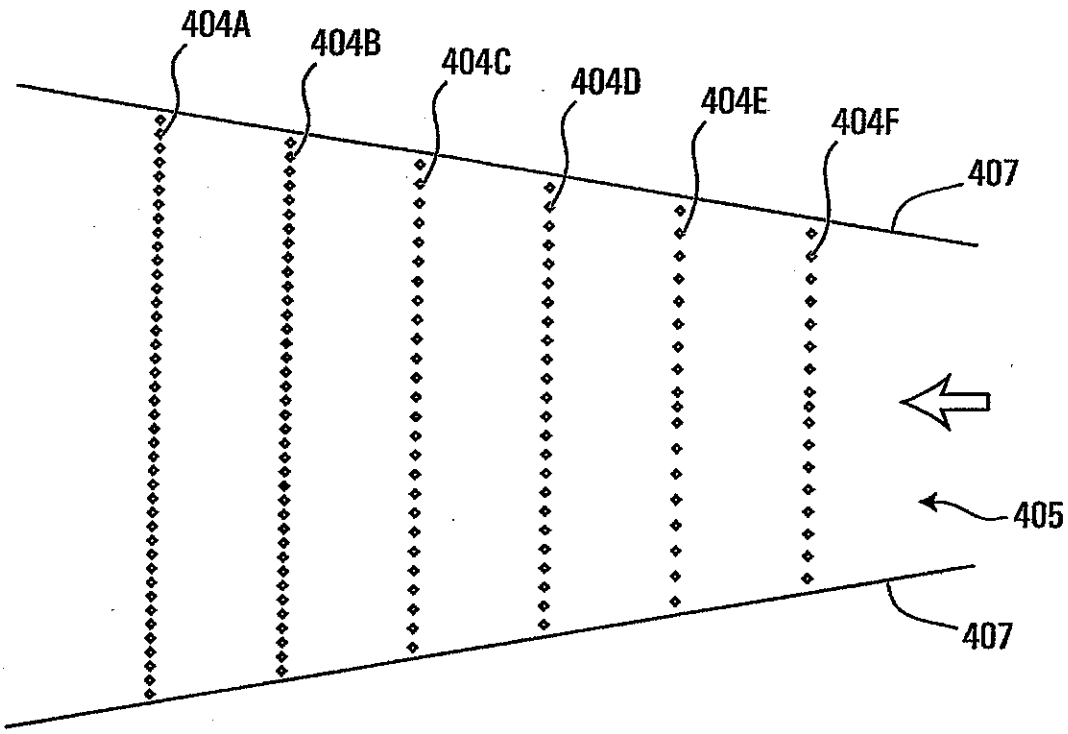


FIG. 4D

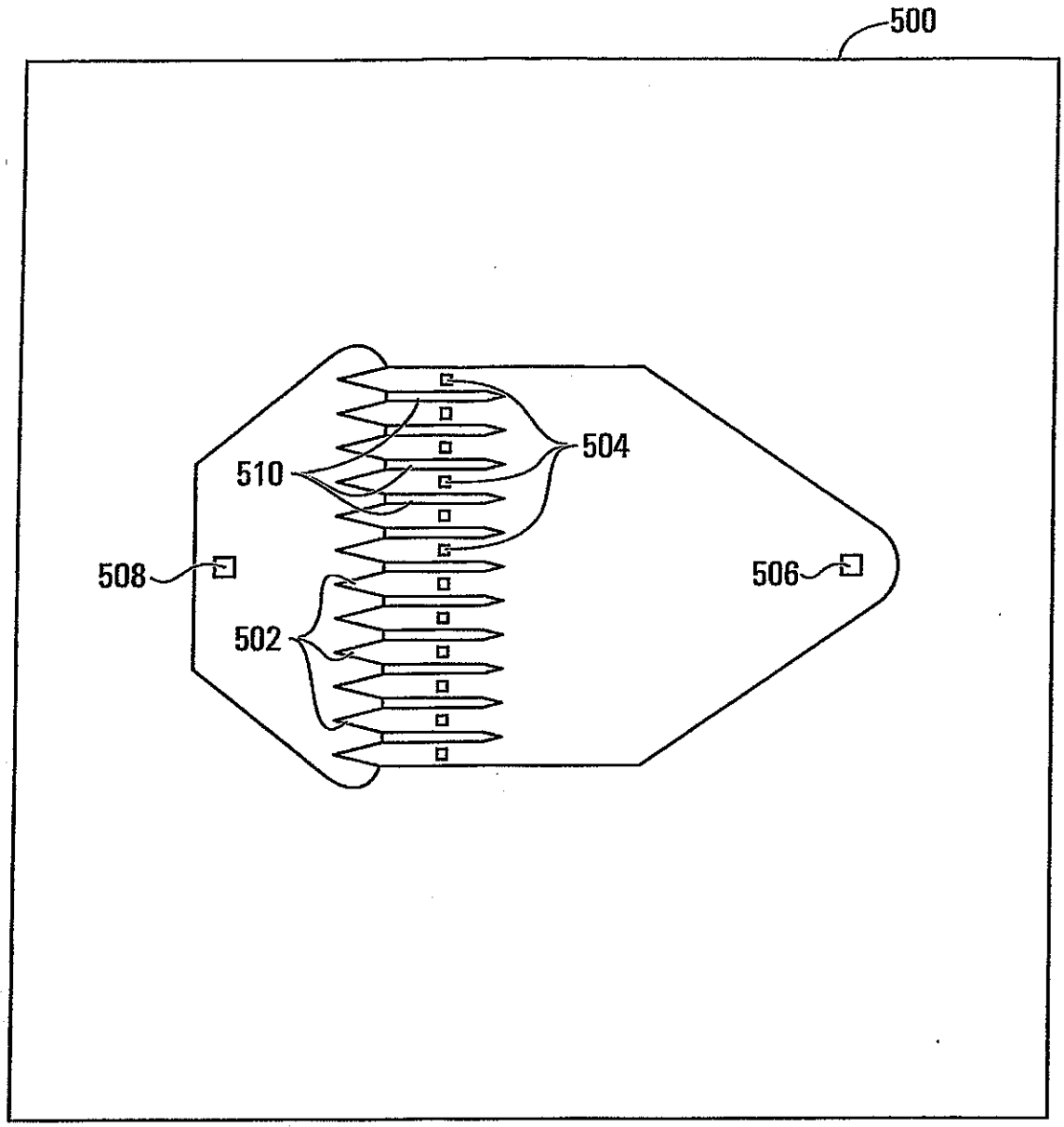


FIG. 5



FIG. 6A

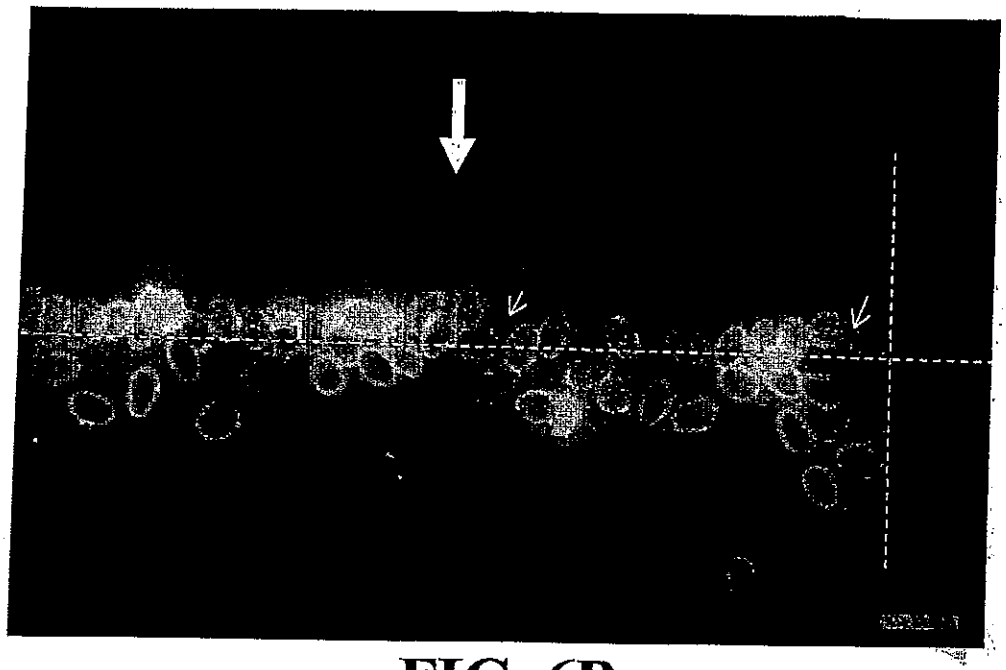


FIG. 6B

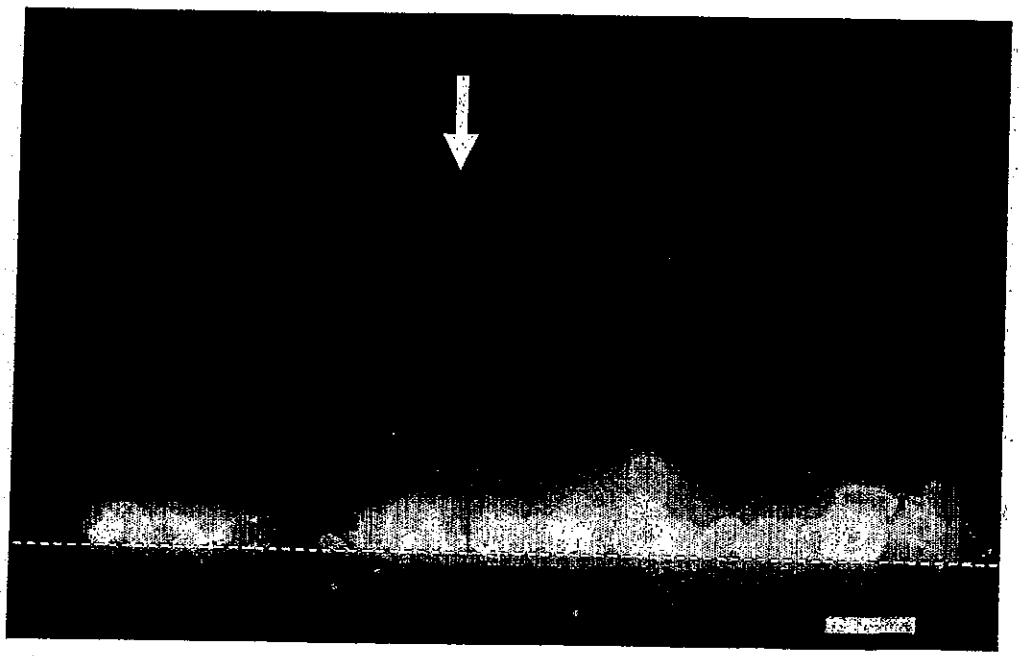


FIG. 6C

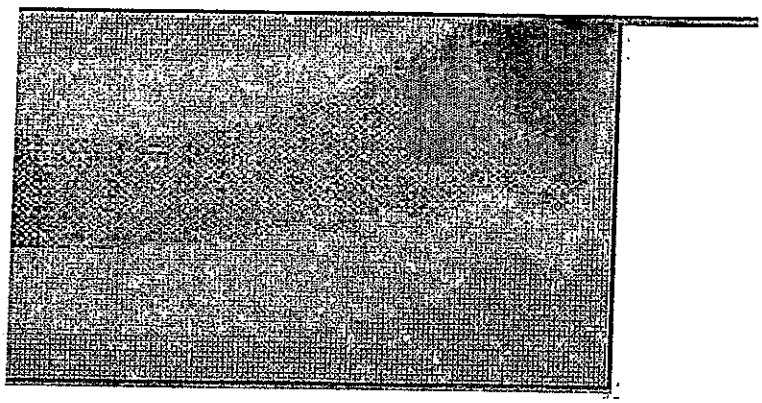


FIG. 7

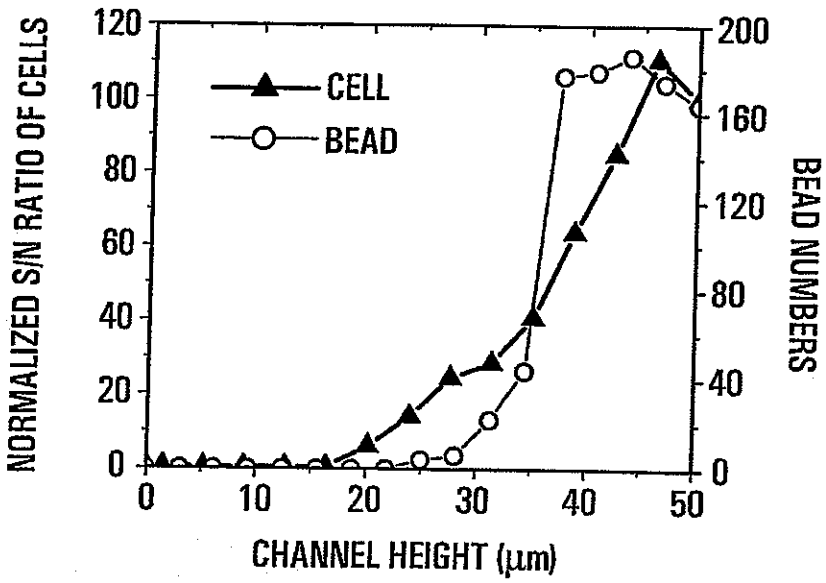

NORMALIZED S/N RATIO OF CELLS
BEAD NUMBERS
CELL
BEAD
120
100
80
60
40
20
0
200
160
120
80
40
0
0
10
20
30
40
50
CHANNEL HEIGHT (μm)

FIG. 8

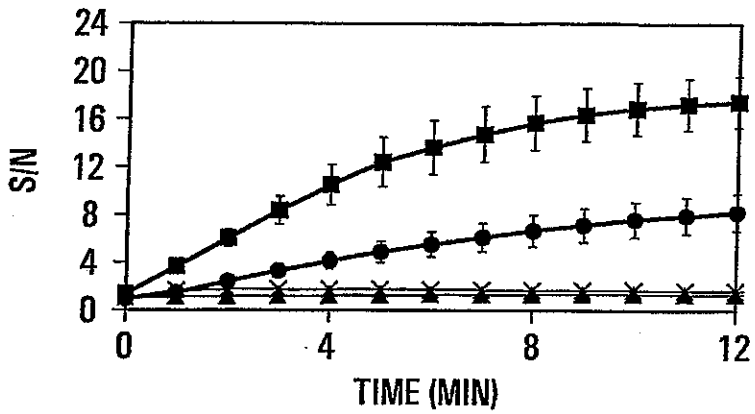

24
20
16
12
8
4
0
S/N
0
4
8
12
TIME (MIN)

FIG. 9

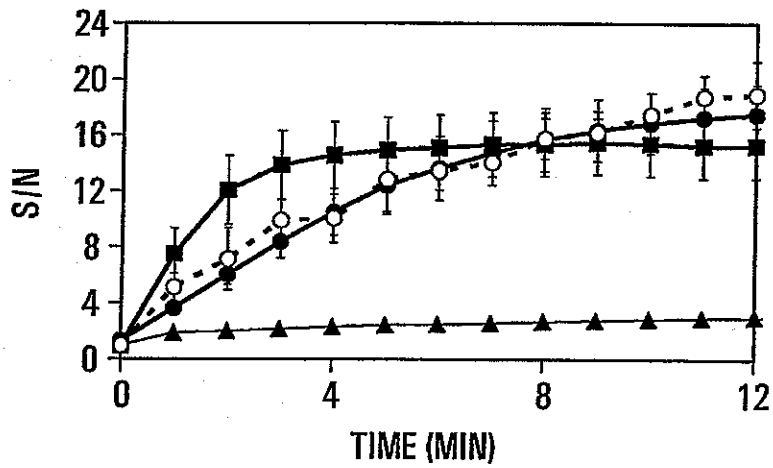

24
20
16
12
8
4
0
S/N
0
4
8
12
TIME (MIN)

FIG. 10