FIG. 1

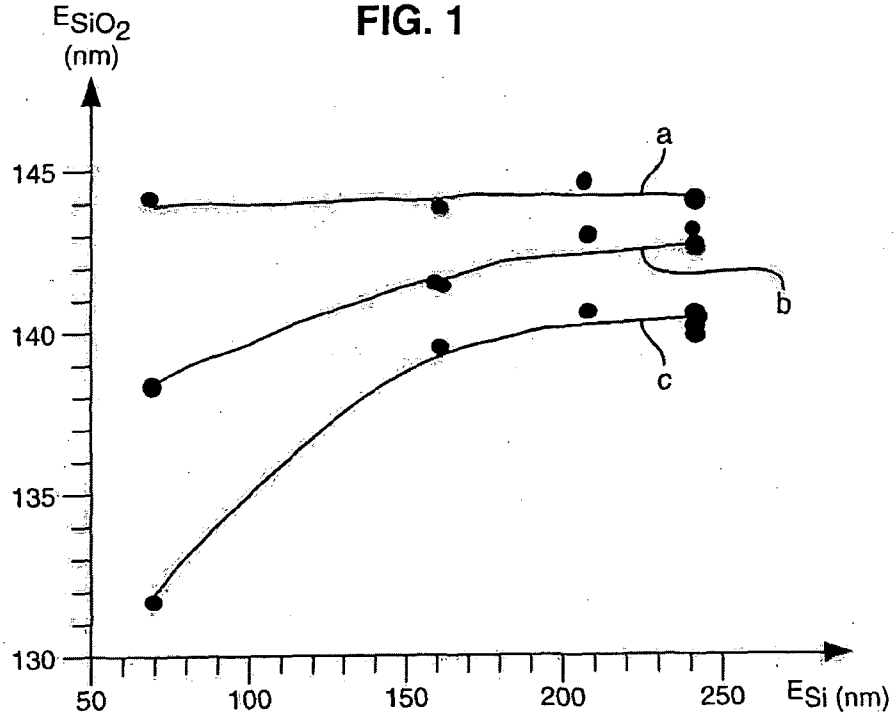

E_{SiO_2} (nm)
145
140
135
130
50
100
150
200
250
E_{Si} (nm)
a
b
c

FIG. 2

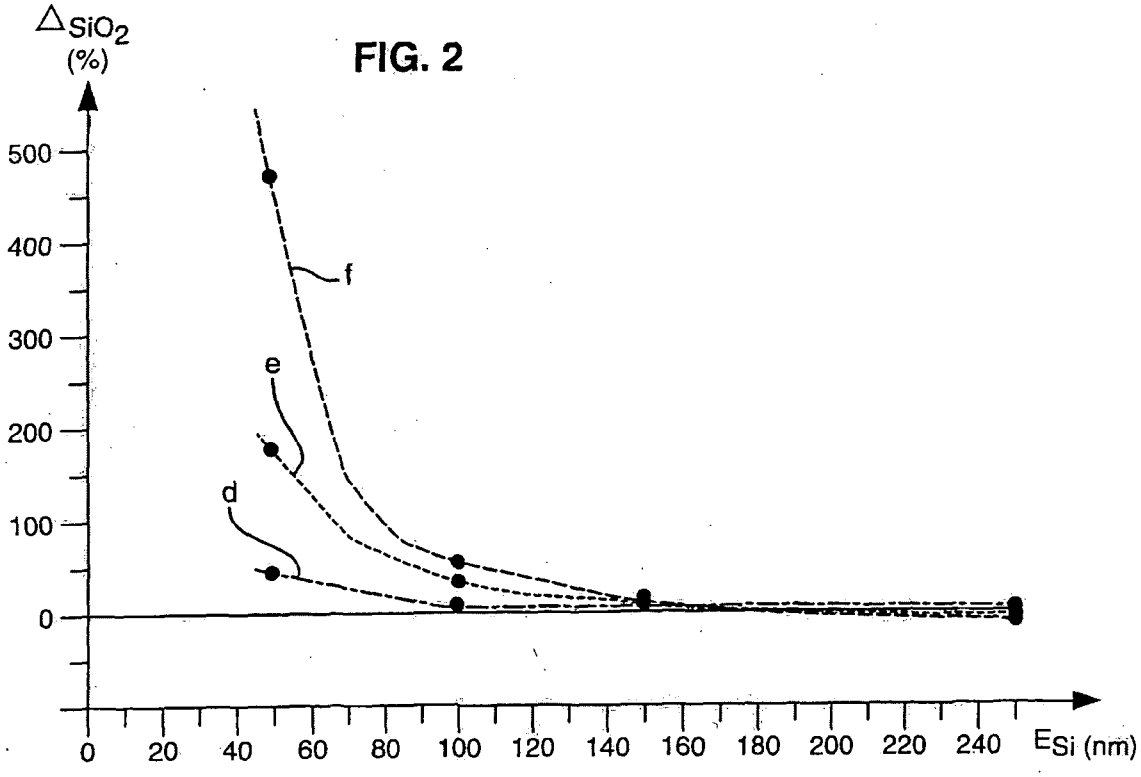

Δ_{SiO_2} (%)
500
400
300
200
100
0
0
20
40
60
80
100
120
140
160
180
200
220
240
E_{Si} (nm)
f
e
d

FIG. 3A

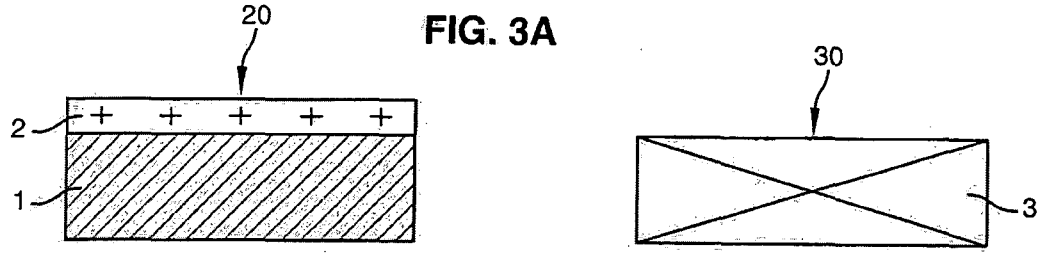


FIG. 3B

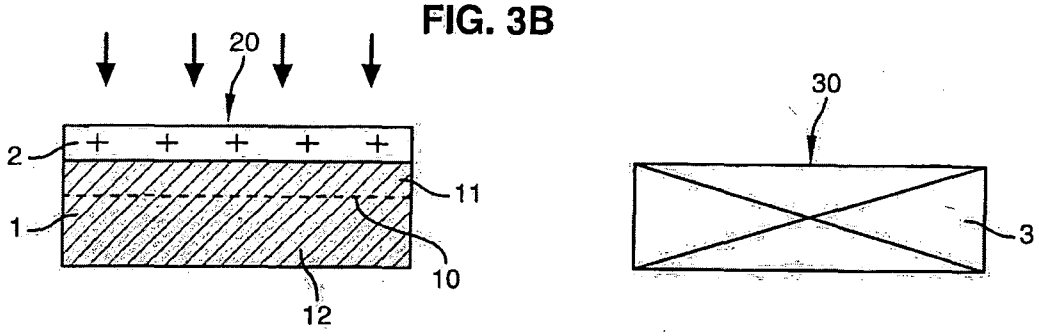


FIG. 3C

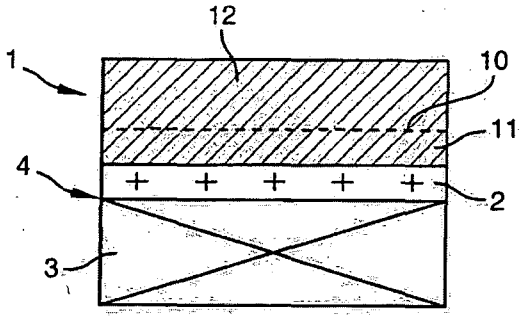


FIG. 3D

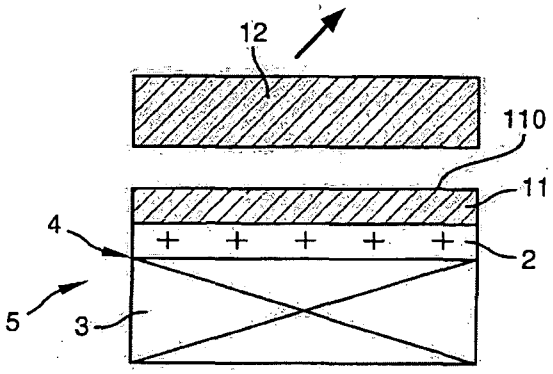


FIG. 3E

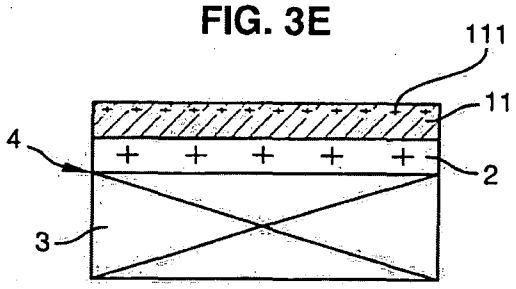


FIG. 3F

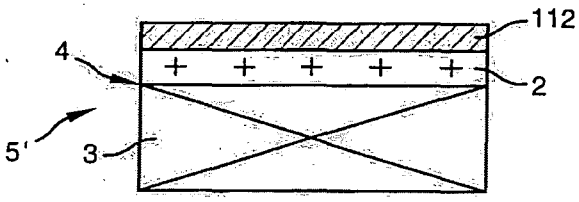


FIG. 3G

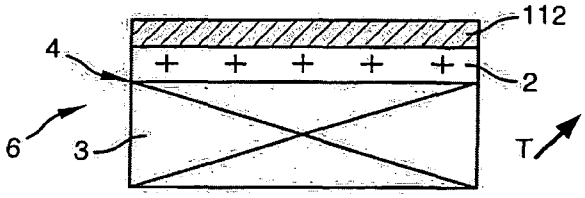
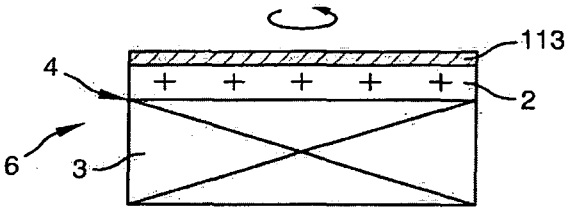


FIG. 3H



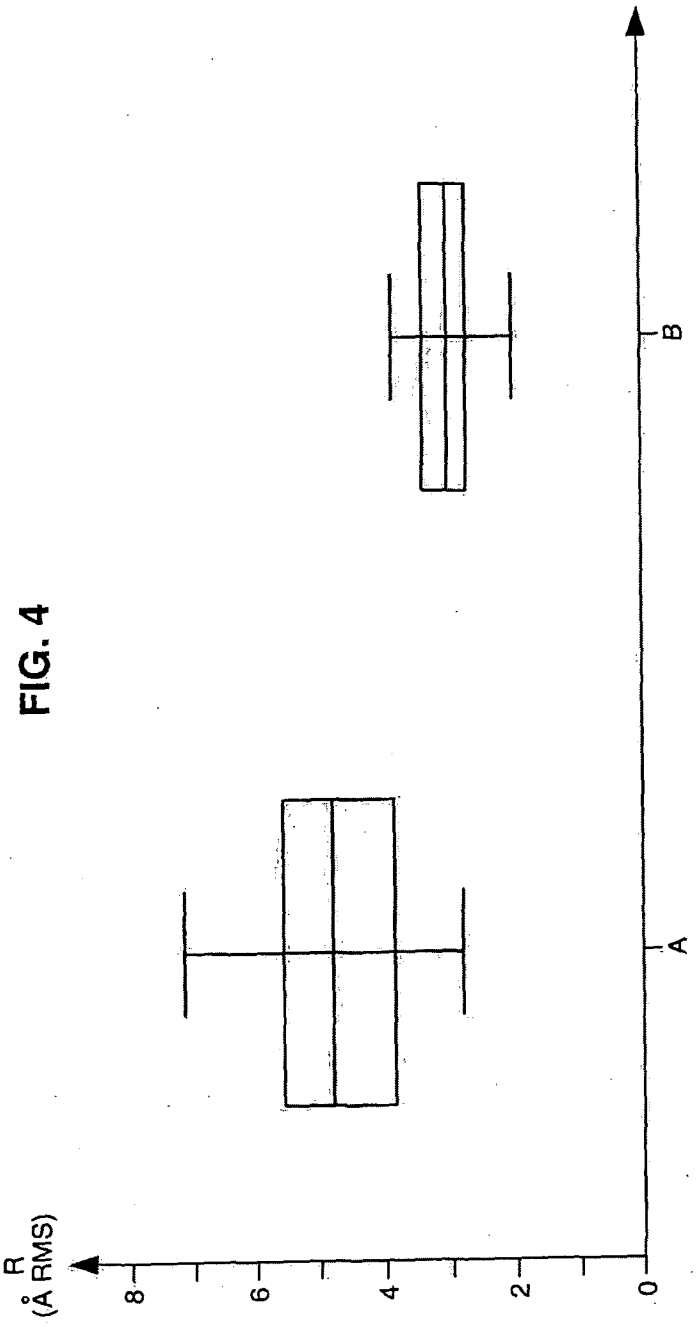


FIG. 4

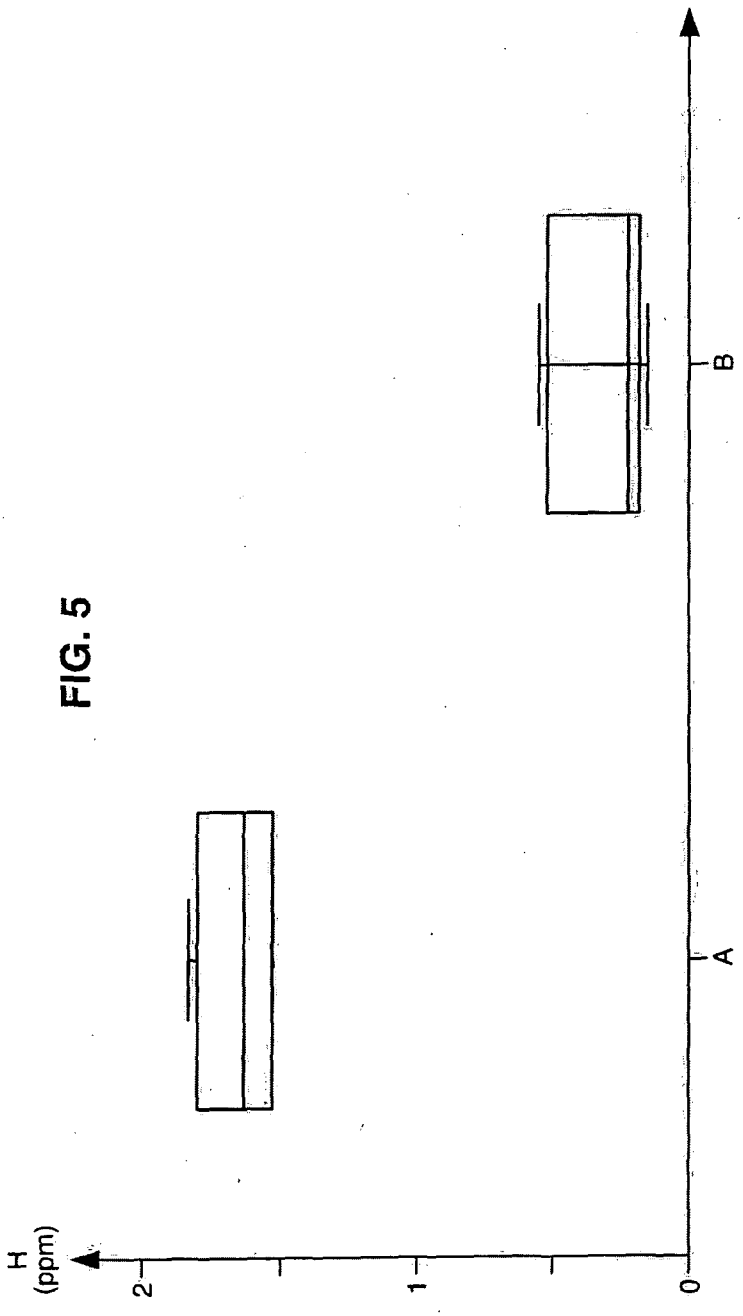


FIG. 5

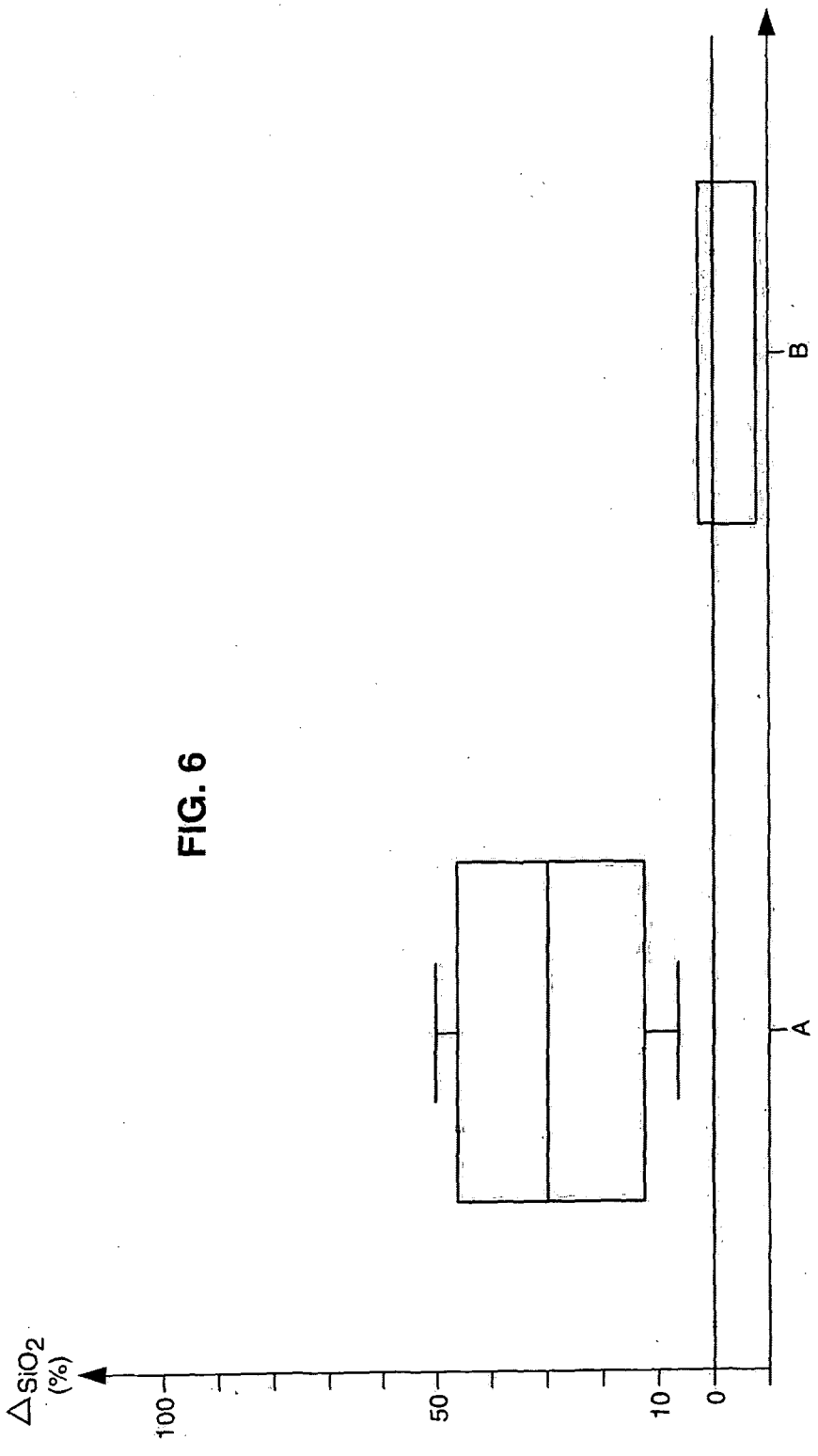


FIG. 6