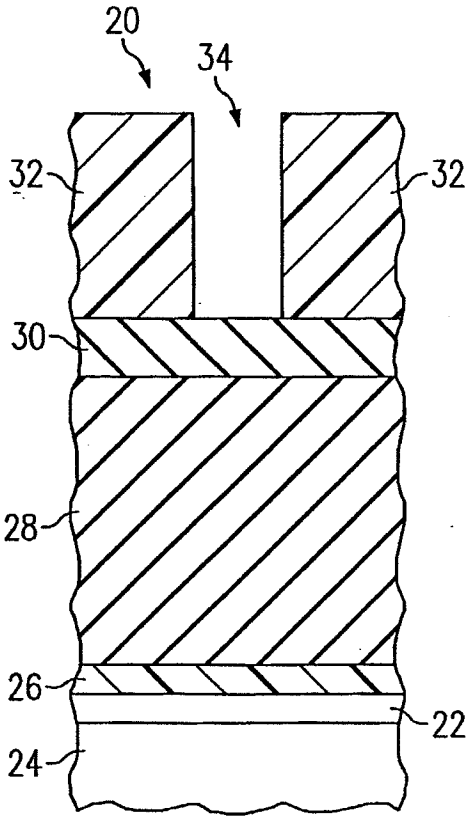


FIG. 1

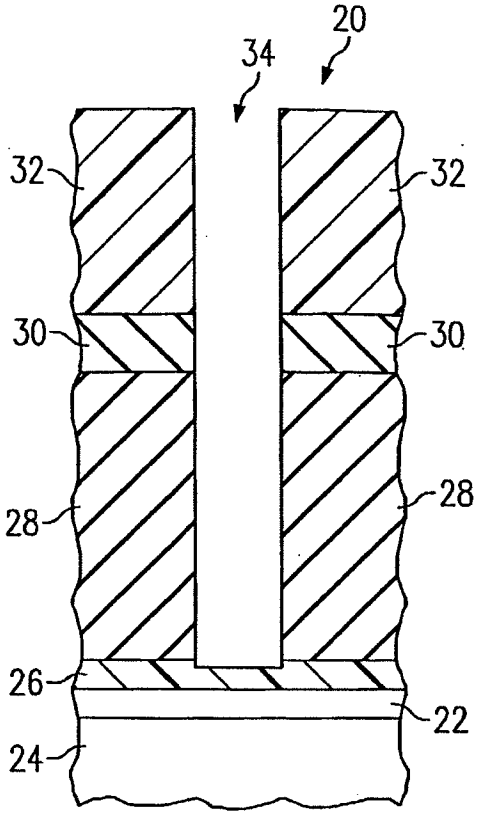


FIG. 2

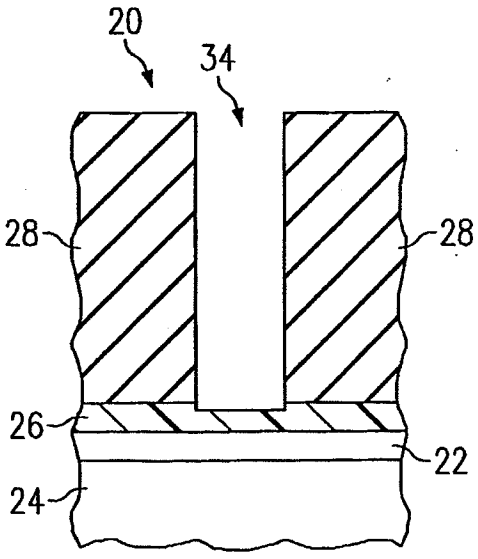


FIG. 3

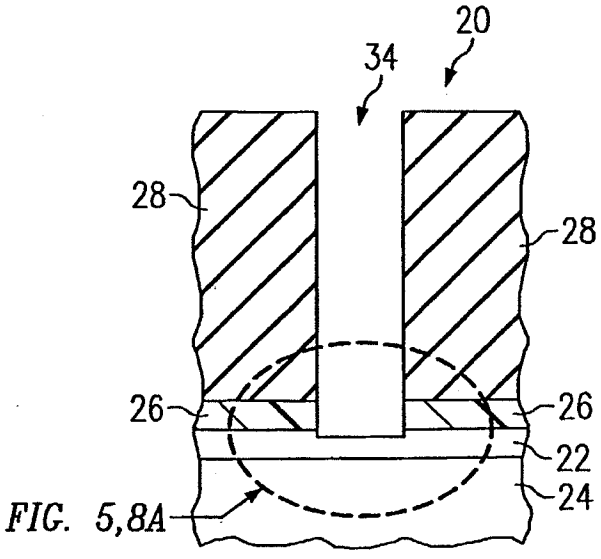


FIG. 4

FIG. 5

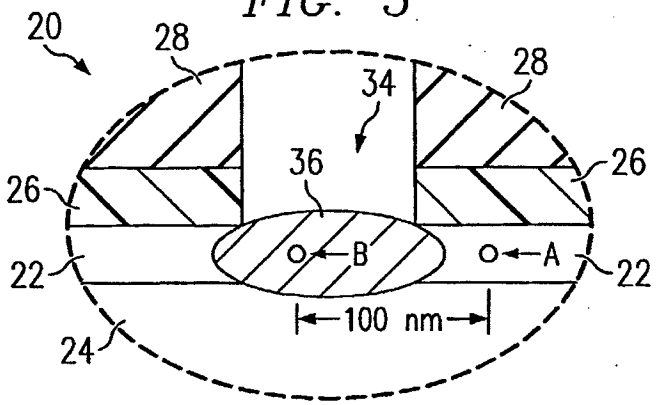

20
28
28
34
36
26
26
22
22
B
A
100 nm
24

FIG. 6

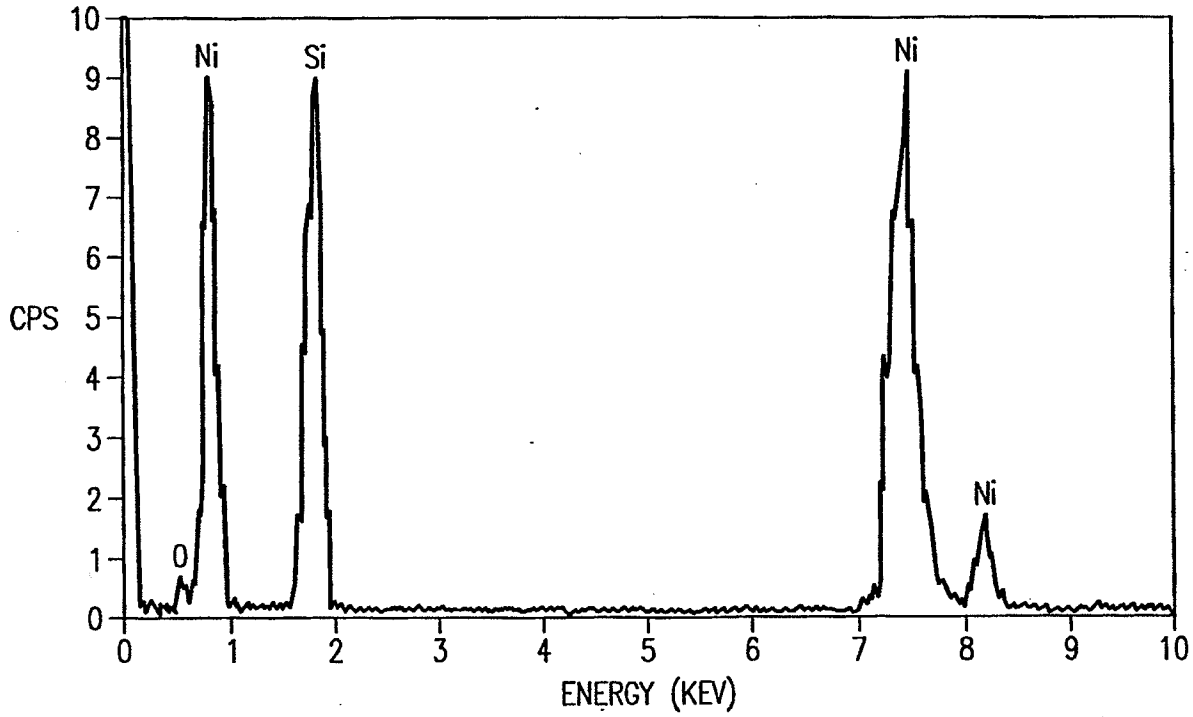
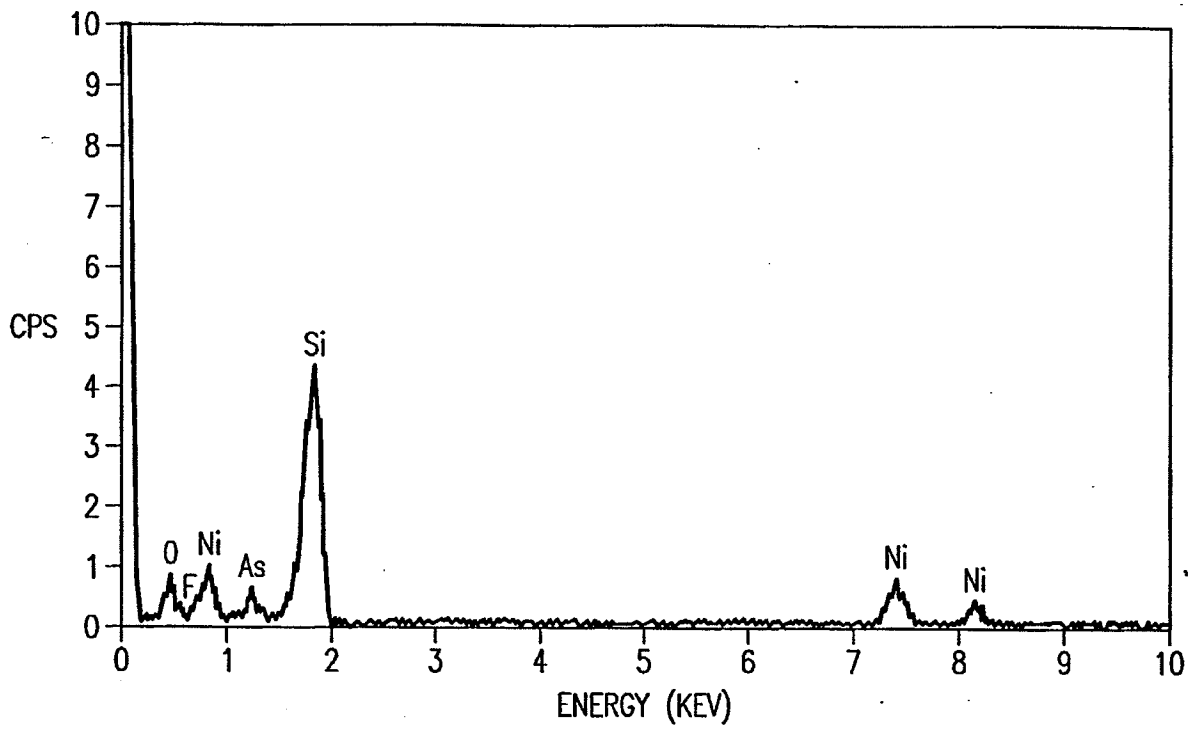

CPS
ENERGY (KEV)
Ni
Si
Ni
Ni
O
0
1
2
3
4
5
6
7
8
9
10

FIG. 7



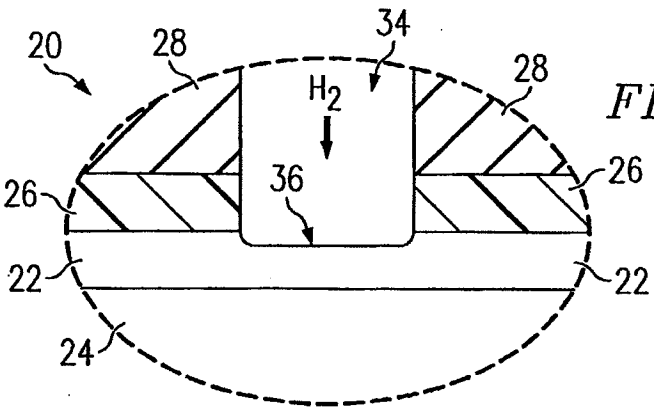


FIG. 8A

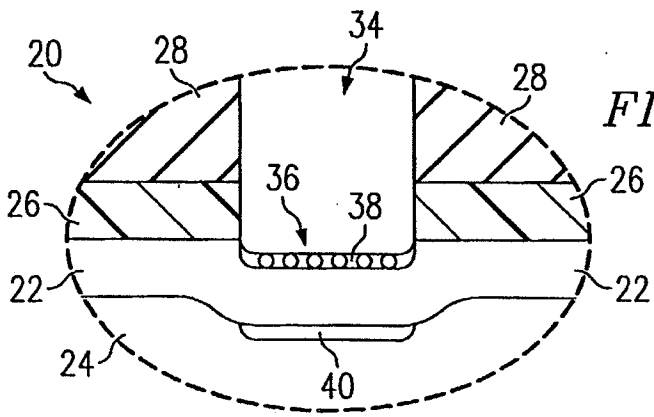


FIG. 8B