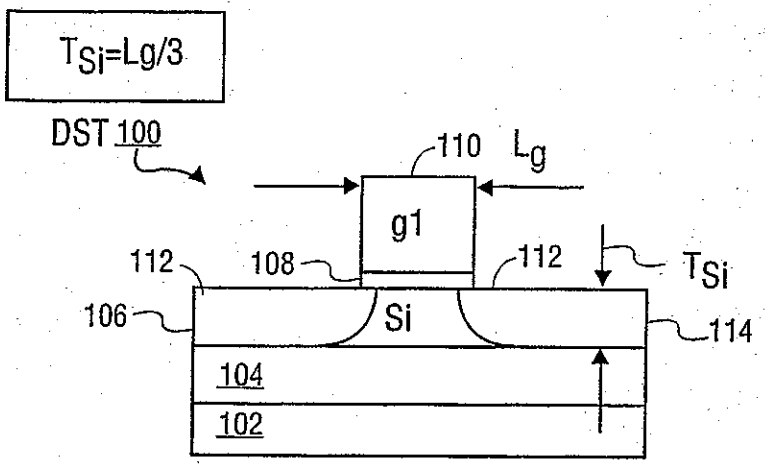

T_{Si}=Lg/3
DST 100
110
L_g
g1
112
108
112
T_{Si}
106
Si
114
104
102

FIG. 1

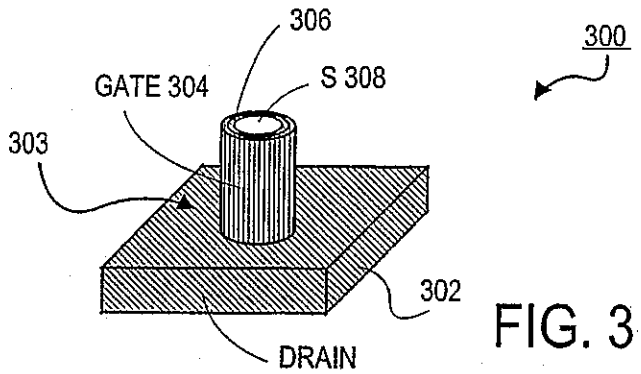

306
300
GATE 304
S 308
303
302
DRAIN

FIG. 3

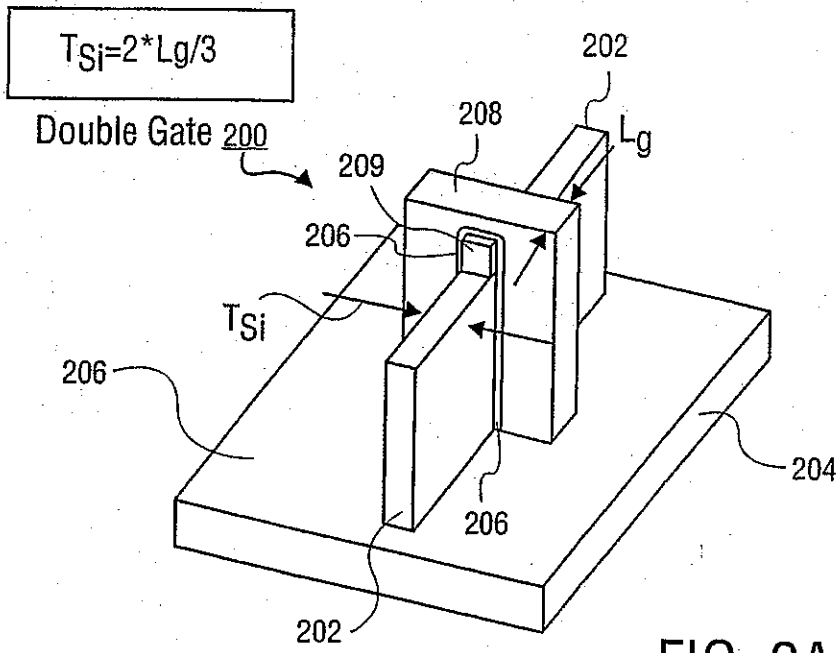

T_{Si}=2*Lg/3
Double Gate 200
202
208
Lg
209
206
T_{Si}
206
204
206
202

FIG. 2A

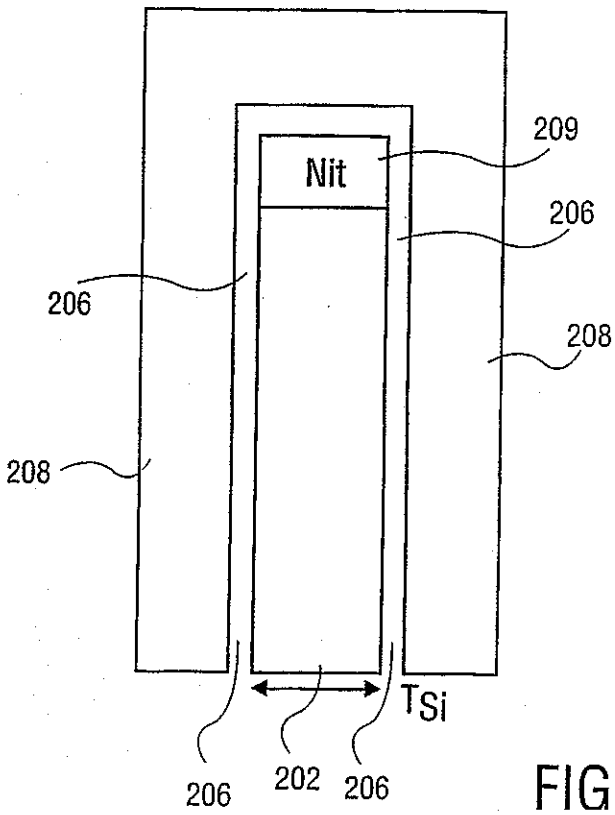

209
Nit
206
206
208
208
T_{Si}
206
202
206

FIG. 2B

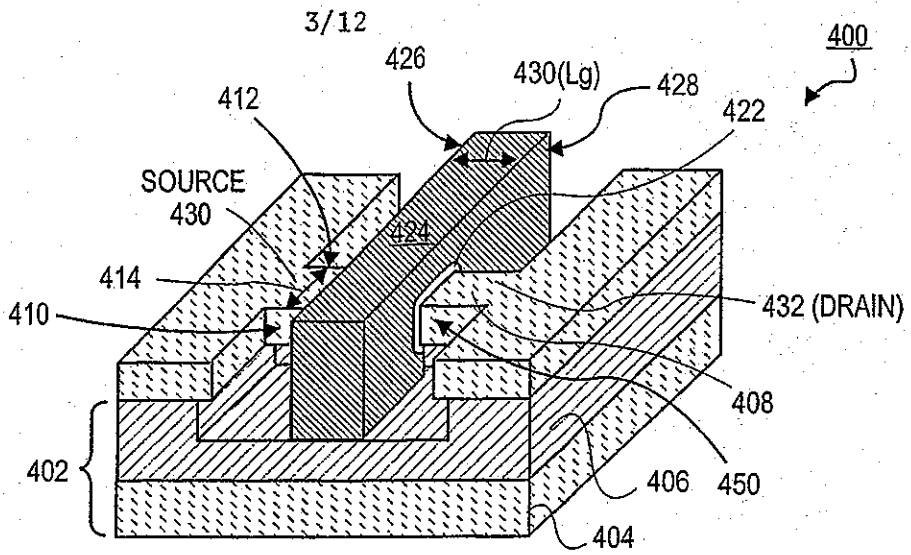


FIG. 4A

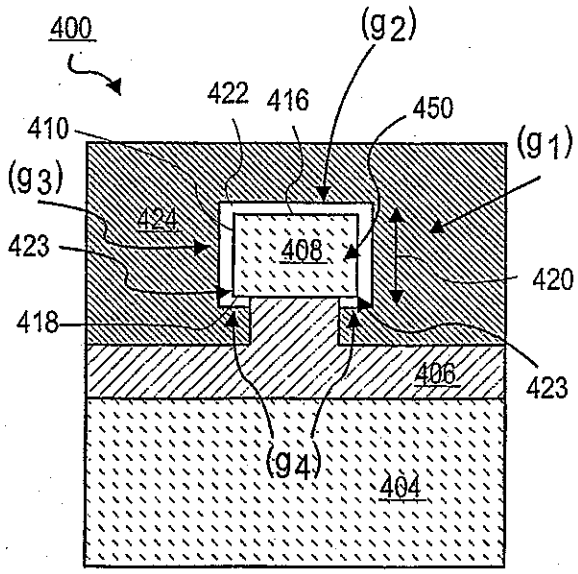


FIG. 4B

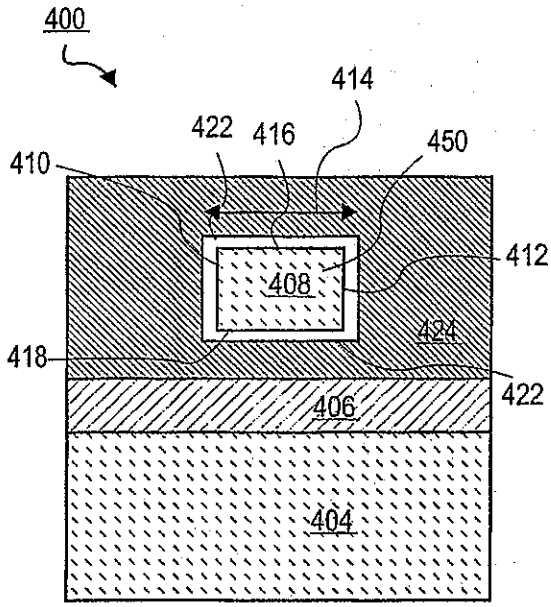


FIG. 4C

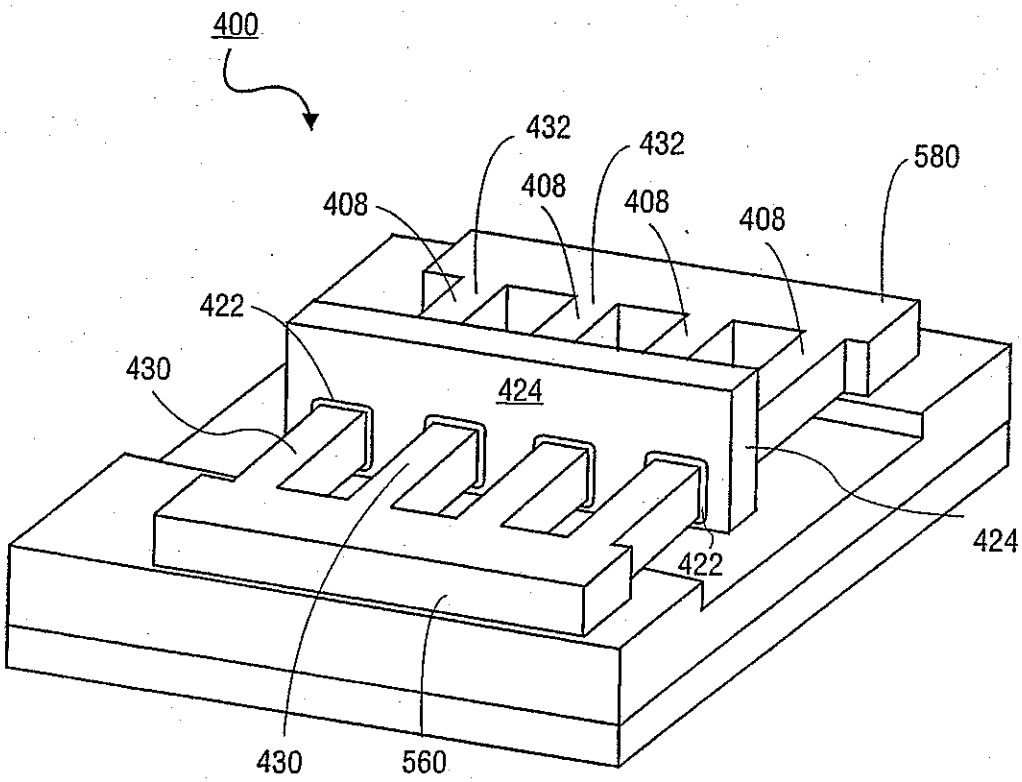


FIG. 5

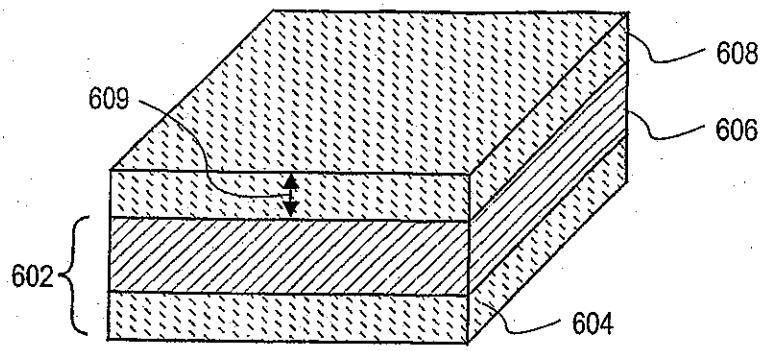


FIG. 6A

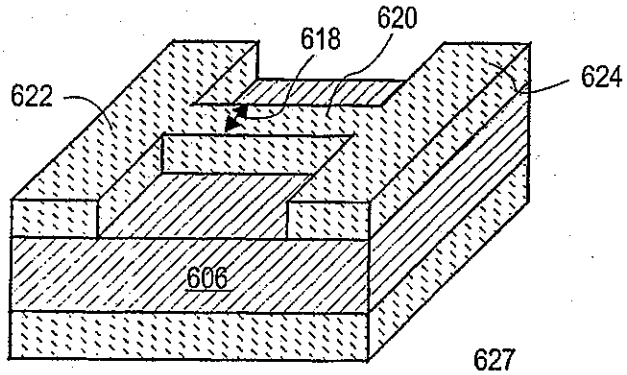


FIG. 6B

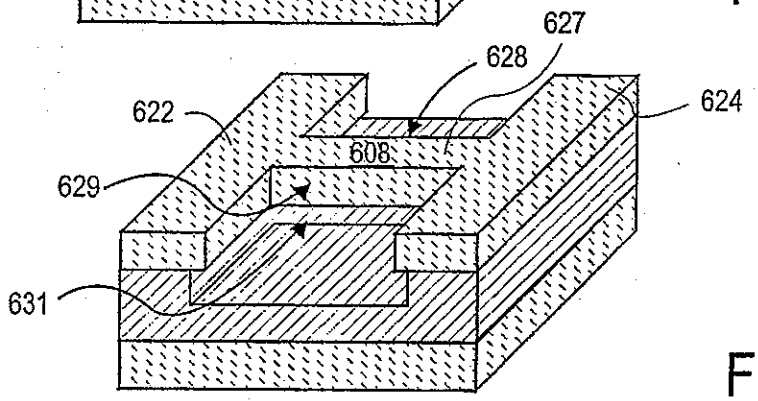


FIG. 6C

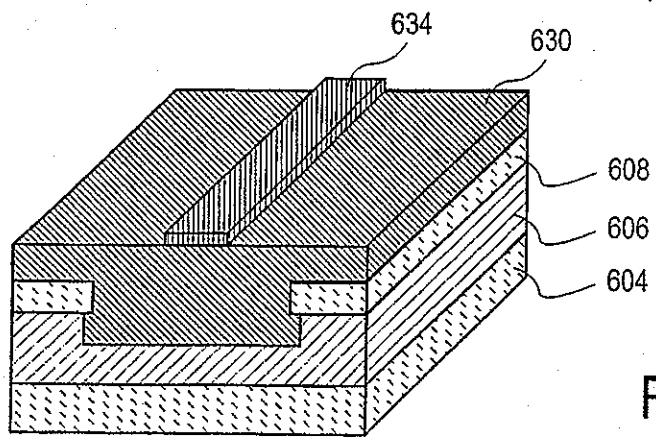


FIG. 6D

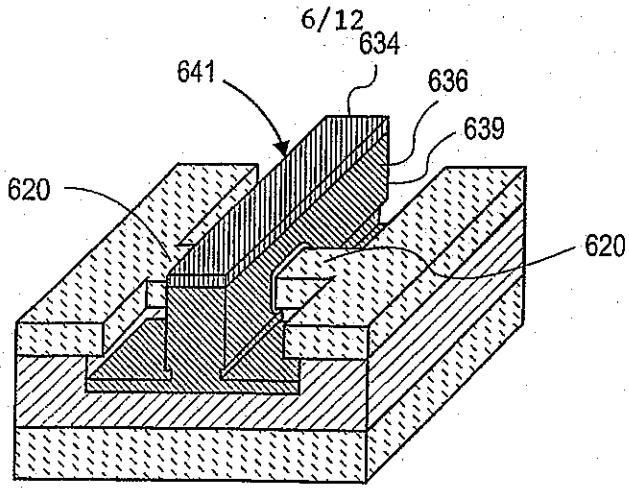


FIG. 6E

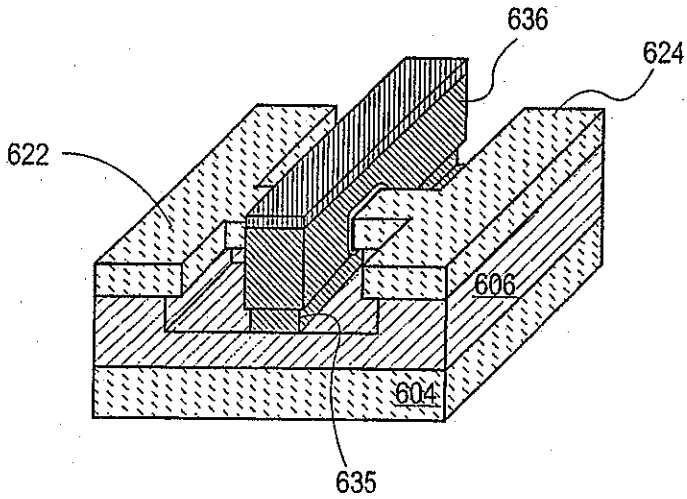


FIG. 6F

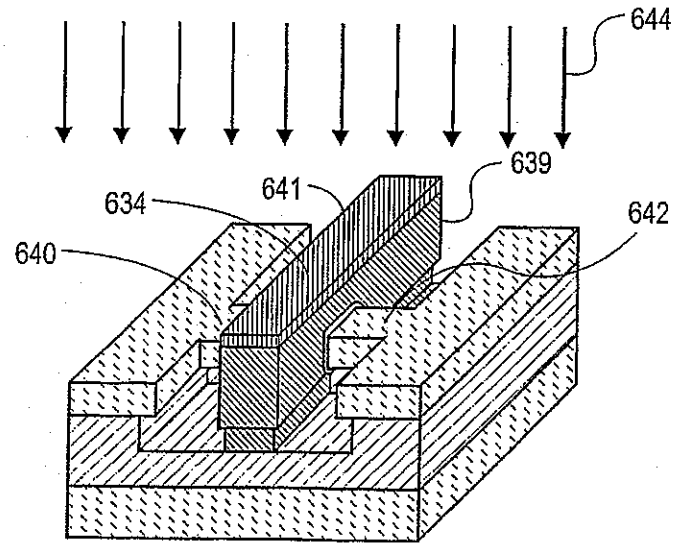


FIG. 6G

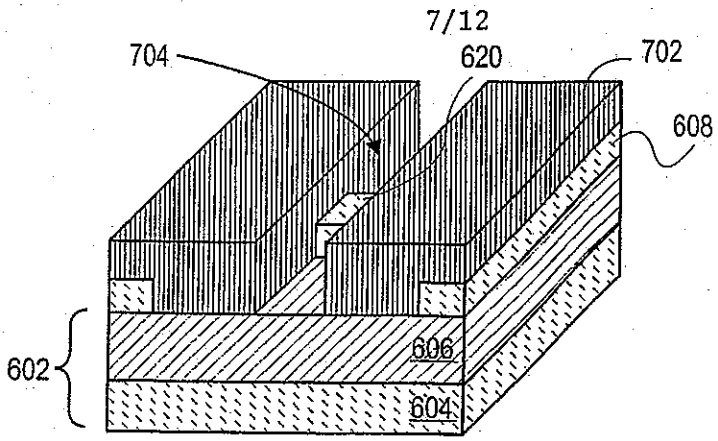


FIG. 7A

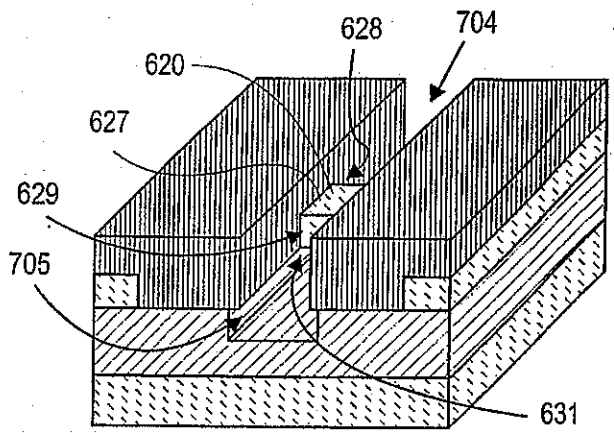


FIG. 7B

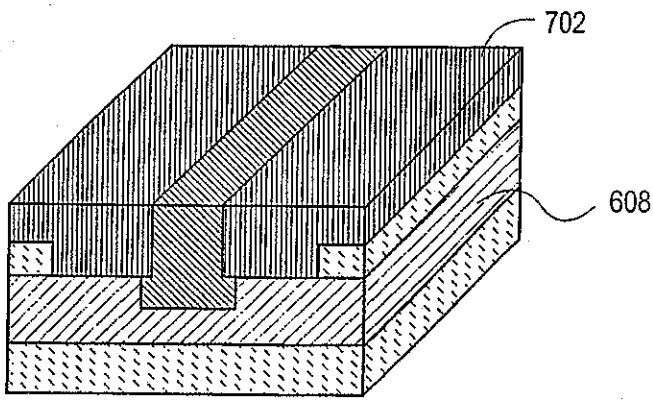


FIG. 7C

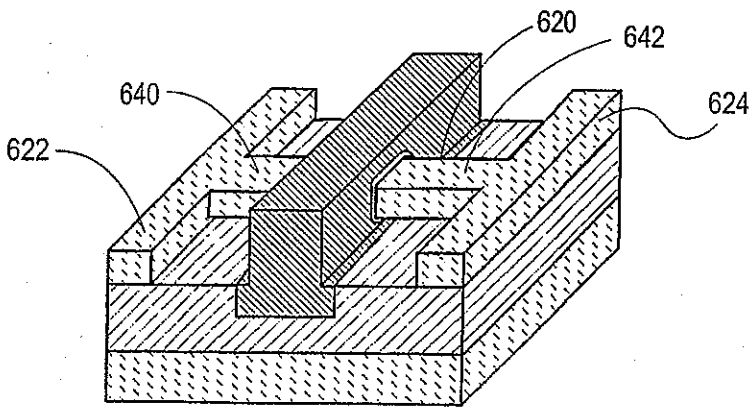


FIG. 7D

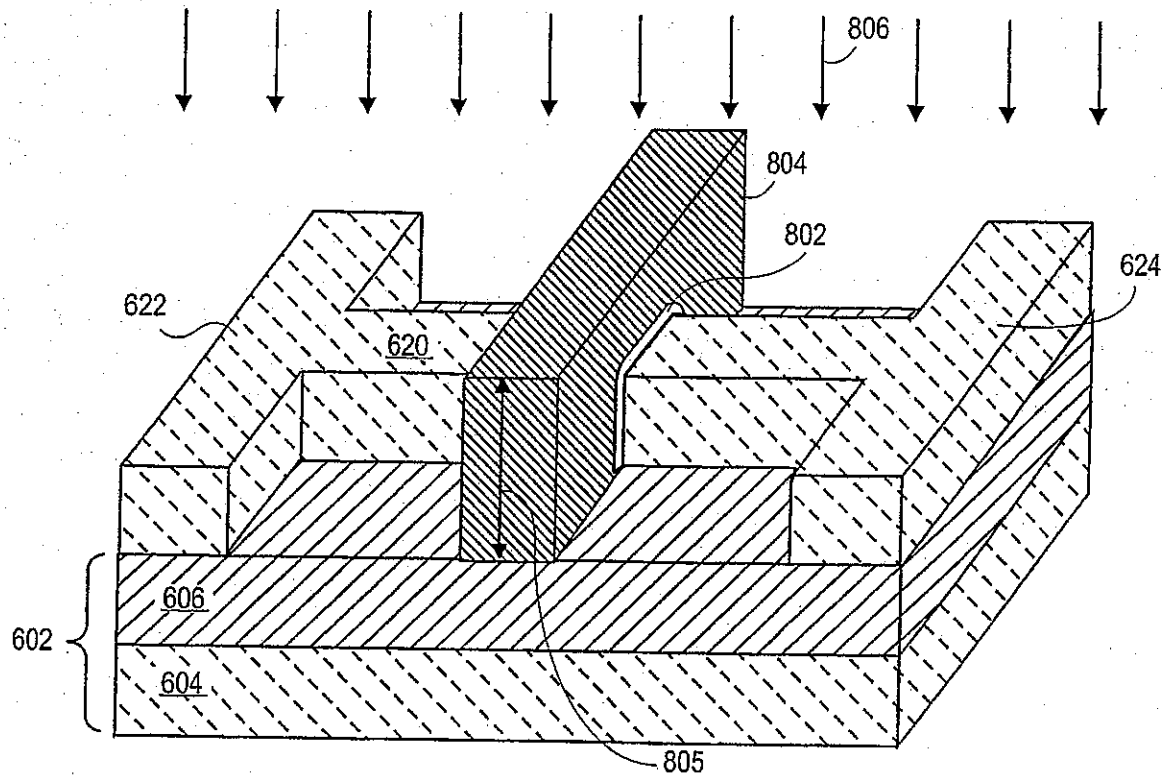
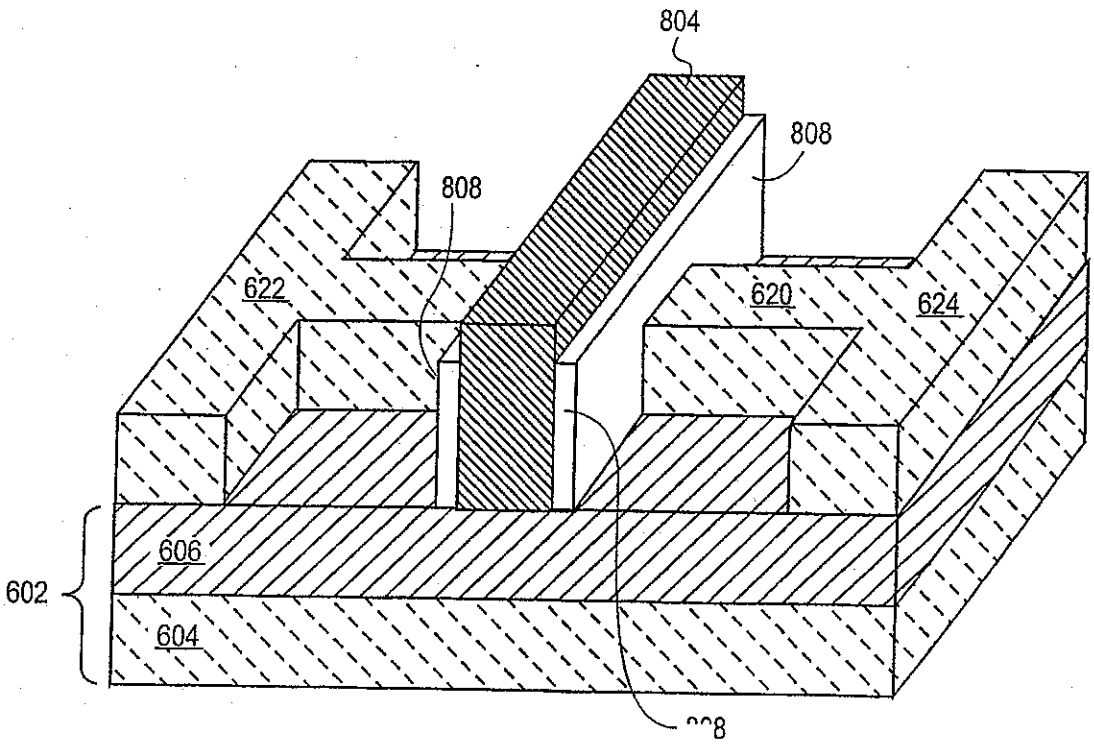

806
804
802
624
622
620
606
602
604
805

FIG. 8A


804
808
808
622
620
624
606
602
604

FI

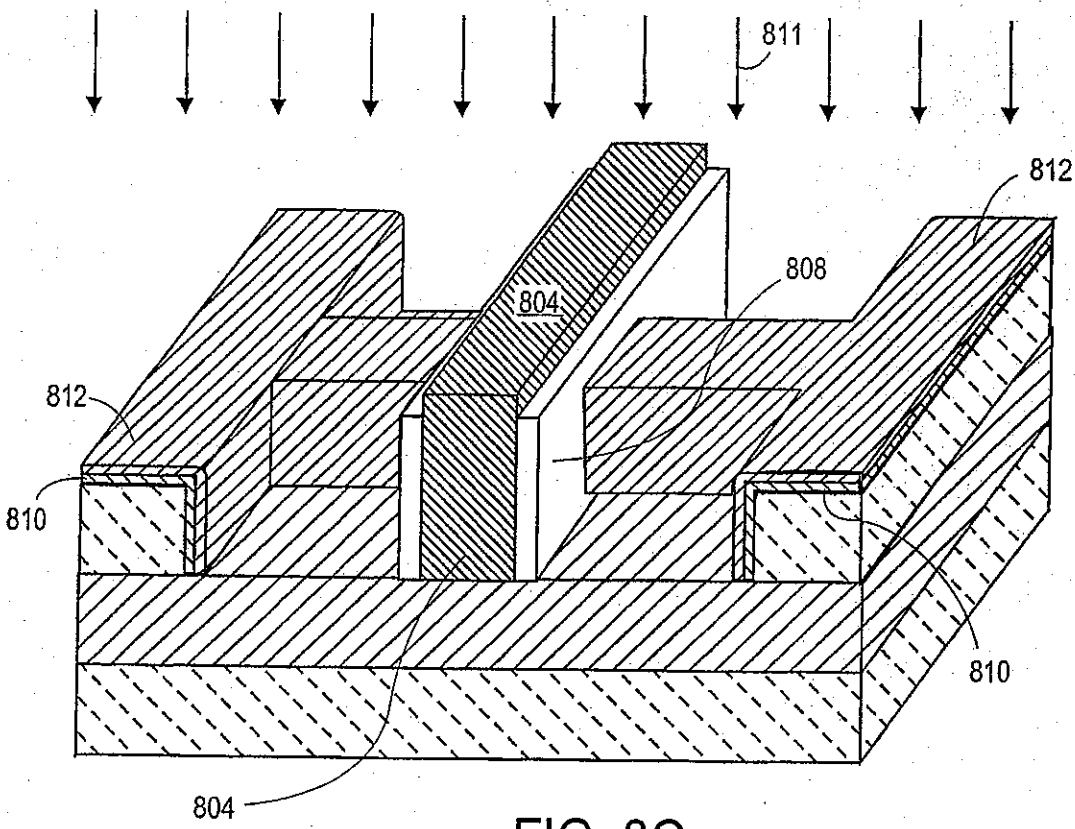


FIG. 8C

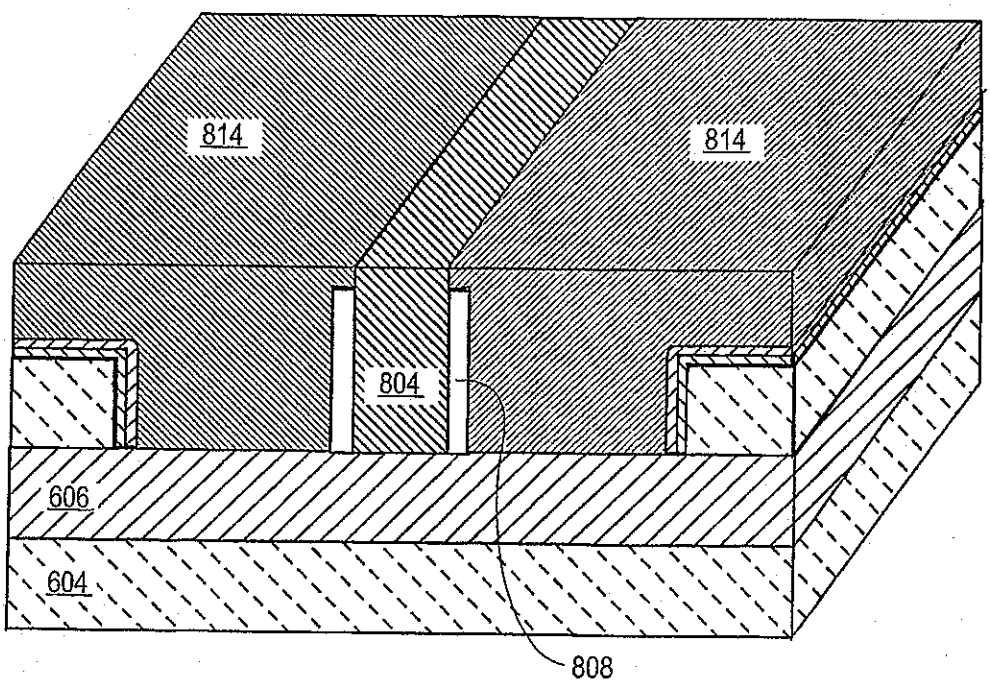


FIG. 8D

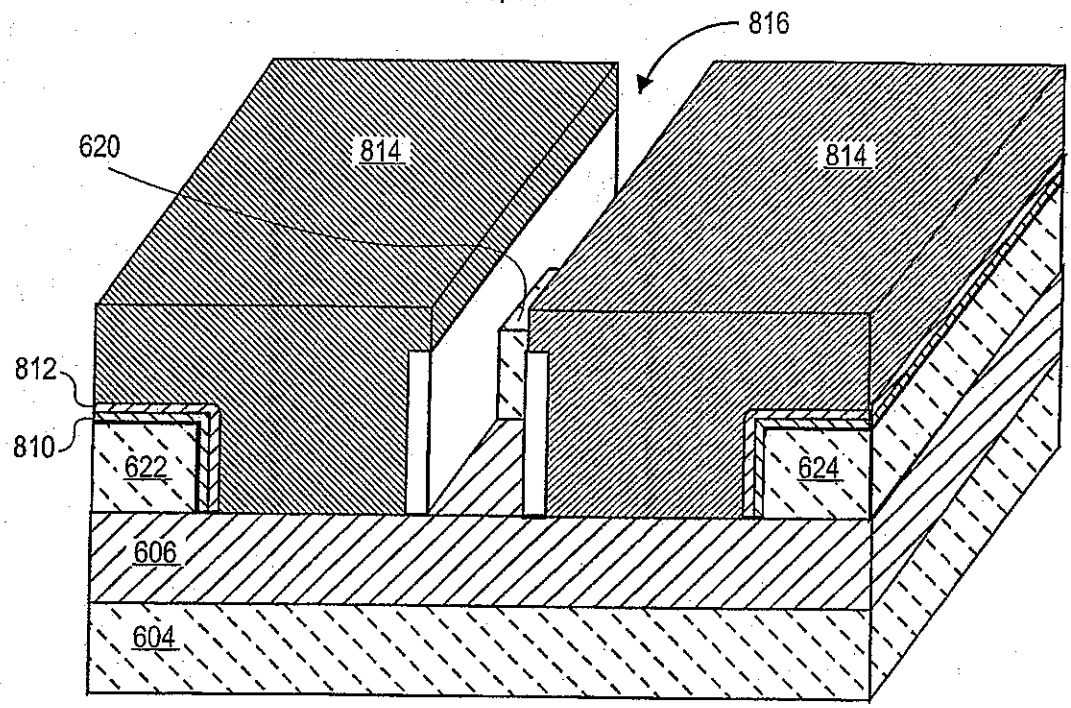
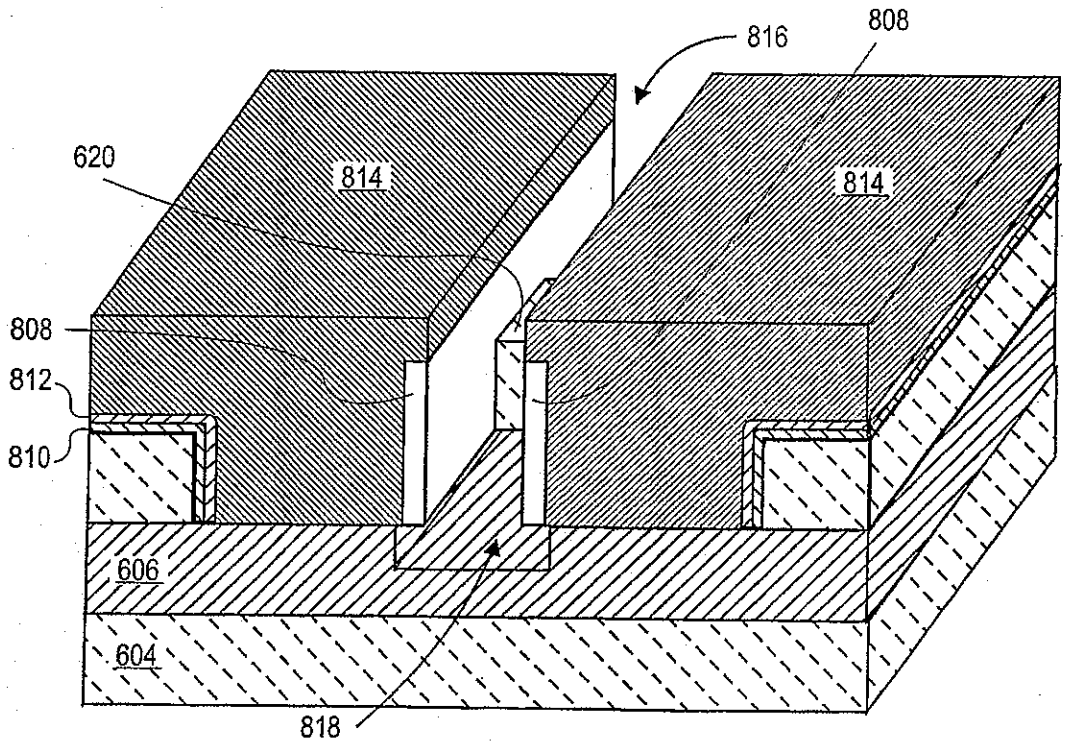

816
620
814
814
812
810
622
624
606
604

FIG. 8E


816
808
620
814
814
808
812
810
606
604
818

F

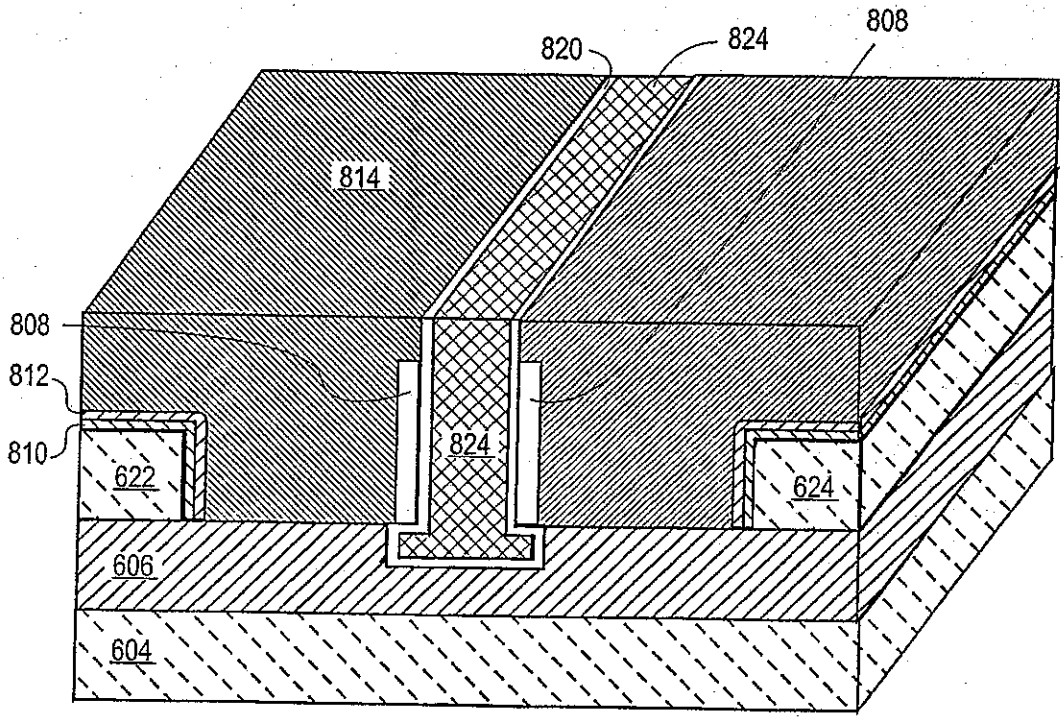


FIG. 8G

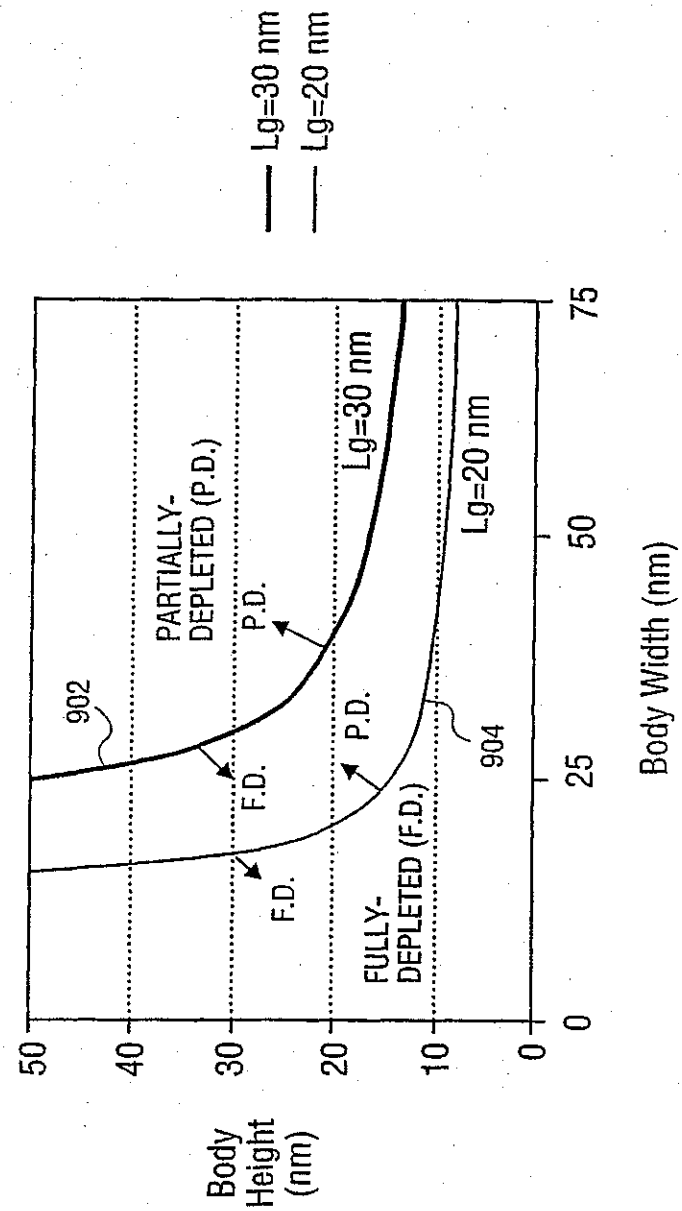

Lg=30 nm
Lg=20 nm
PARTIALLY-DEPLETED (P.D.)
FULLY-DEPLETED (F.D.)
P.D.
F.D.
P.D.
F.D.
Lg=30 nm
Lg=20 nm
902
904
Body Height (nm)
Body Width (nm)
50
40
30
20
10
0
0
25
50
75

FIG. 9