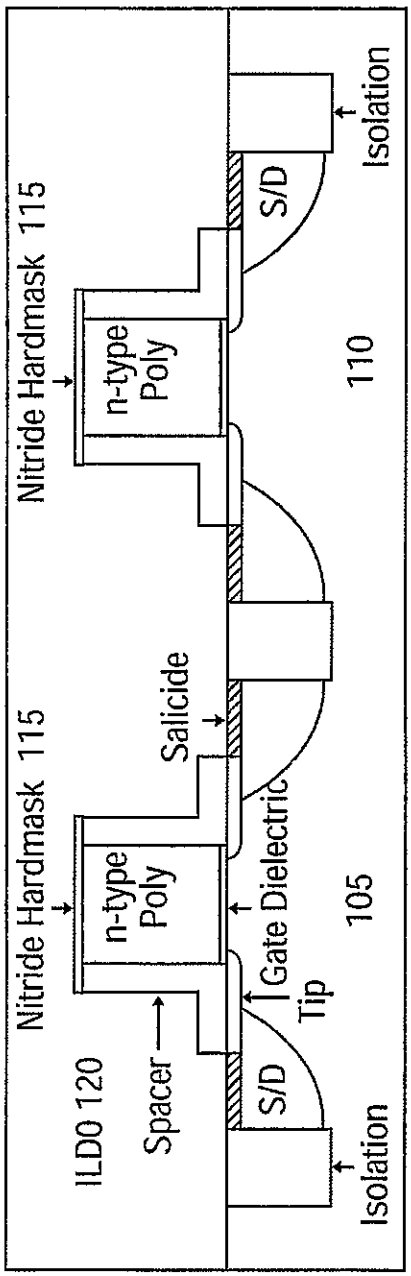

Nitride Hardmask 115
Nitride Hardmask 115
n-type Poly
n-type Poly
S/D
Isolation
110
Salicide
ILD0 120
Spacer
Gate Dielectric
Tip
105
S/D
Isolation

FIG. 1

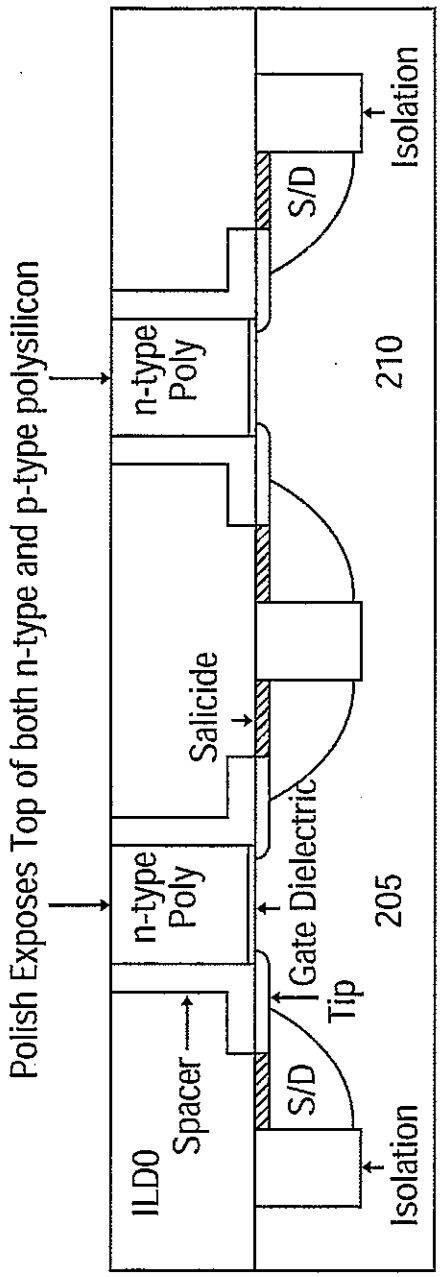

Polish Exposes Top of both n-type and p-type polysilicon
n-type Poly
n-type Poly
S/D
Isolation
210
Salicide
ILD0
Spacer
Gate Dielectric
Tip
205
S/D
Isolation

FIG. 2

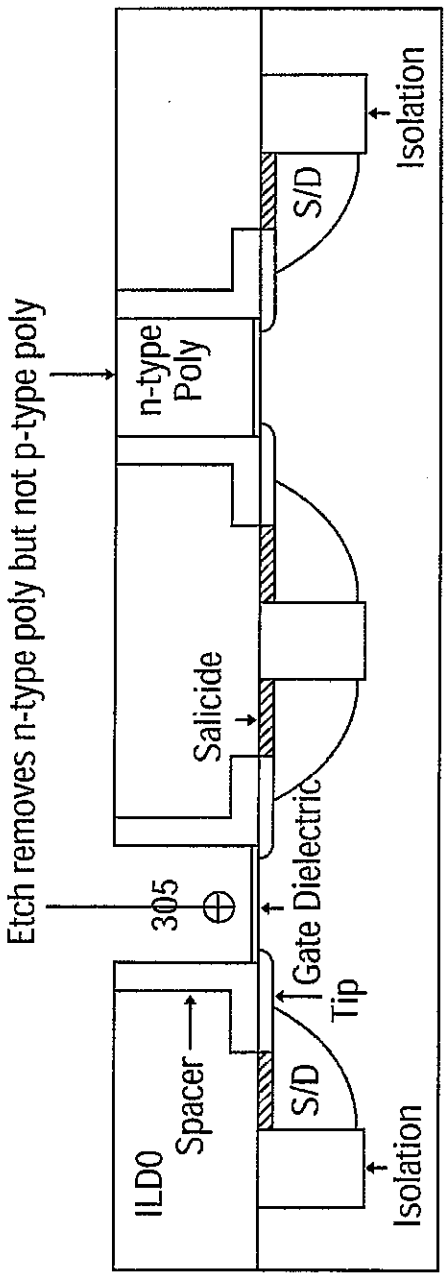

Etch removes n-type poly but not p-type poly
n-type Poly
Salicide
305
Gate Dielectric
Tip
Spacer
ILD0
S/D
S/D
Isolation
Isolation

FIG. 3

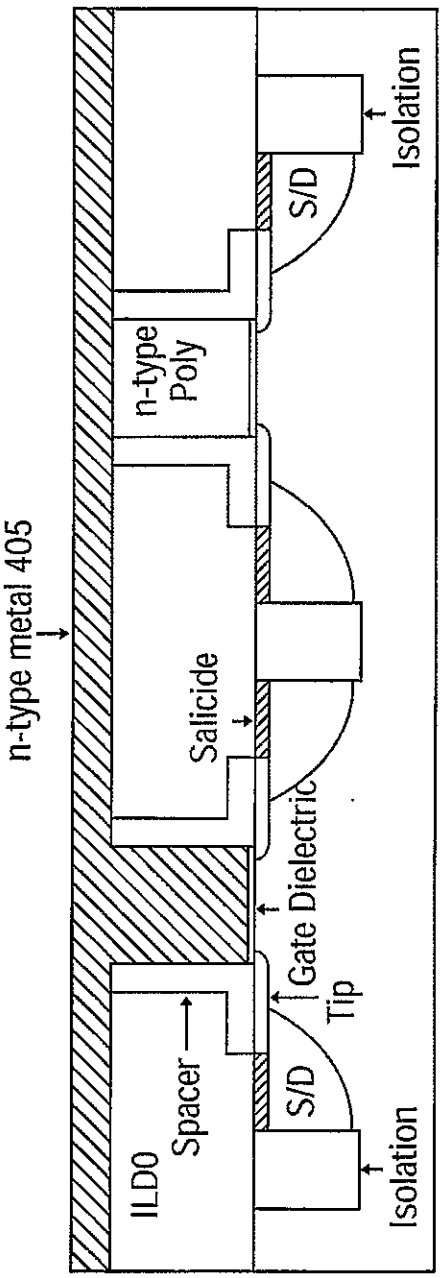

n-type metal 405
n-type Poly
Salicide
Gate Dielectric
Tip
Spacer
ILD0
S/D
S/D
Isolation
Isolation

FIG. 4

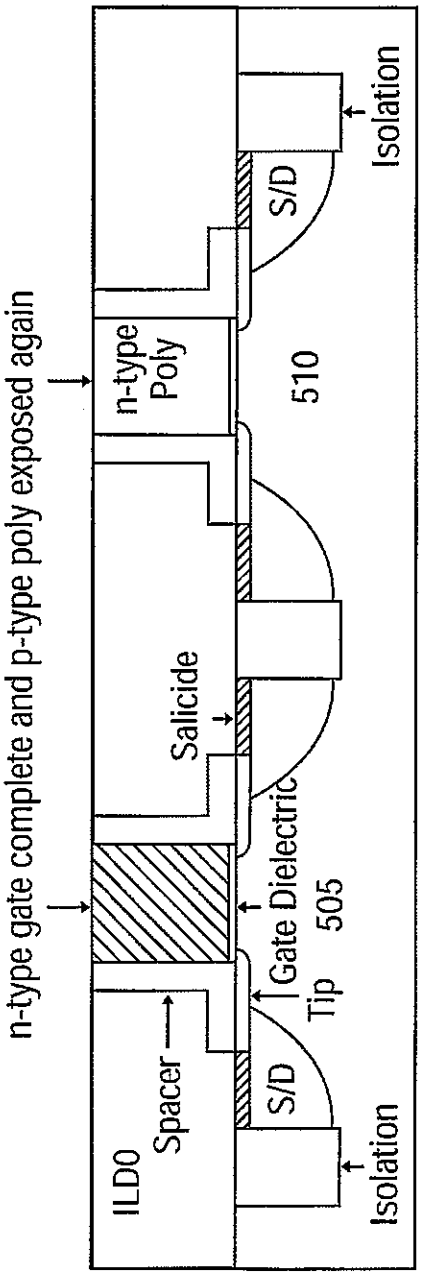

n-type gate complete and p-type poly exposed again
n-type Poly
510
S/D
Isolation
Salicide
Gate Dielectric
Tip
505
ILD0
Spacer
S/D
Isolation

FIG. 5

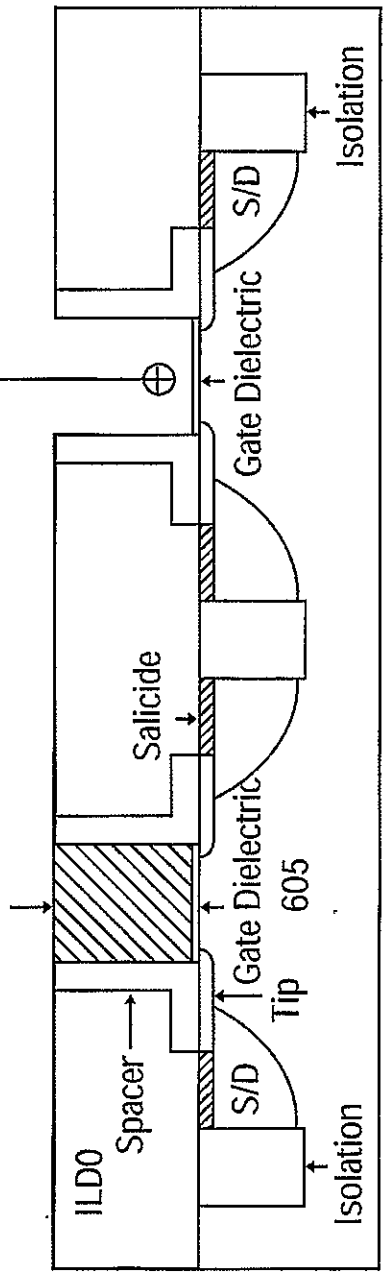

Etch removes p-type poly but not the n-type metal
S/D
Isolation
Gate Dielectric
Salicide
Gate Dielectric
Tip
605
ILD0
Spacer
S/D
Isolation

FIG. 6

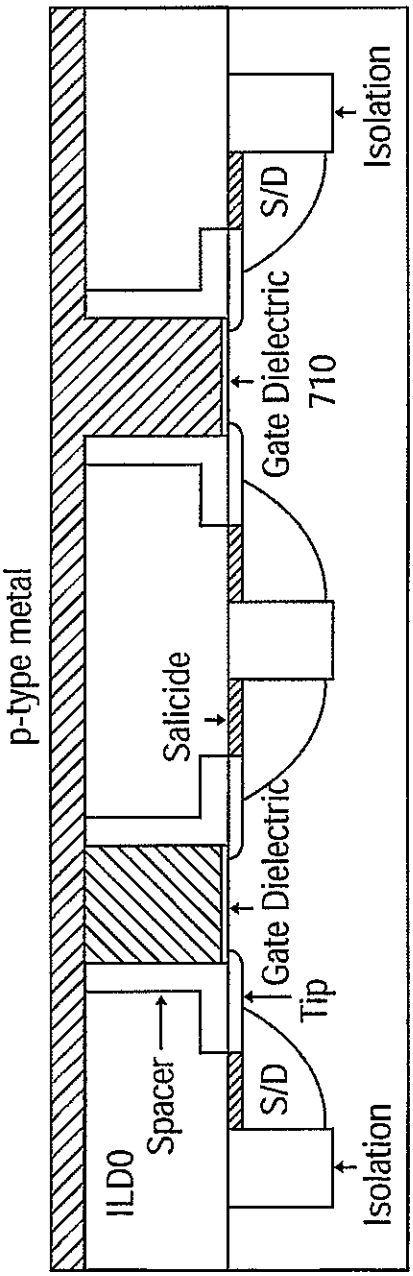

p-type metal
Salicide
Gate Dielectric
710
S/D
Isolation
ILD0
Spacer
S/D
Tip
Gate Dielectric
Isolation

FIG. 7

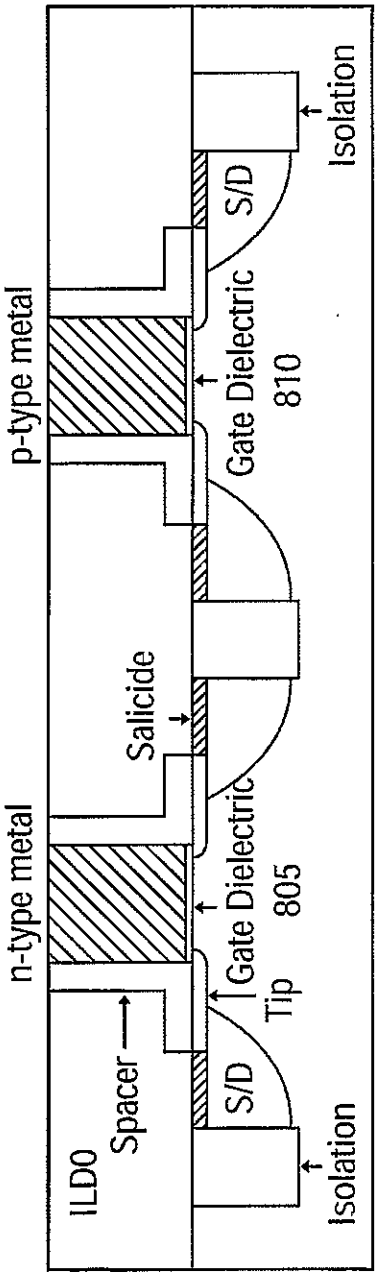

p-type metal
Salicide
Gate Dielectric
810
S/D
Isolation
n-type metal
ILD0
Spacer
S/D
Tip
805
Gate Dielectric
Isolation

FIG. 8

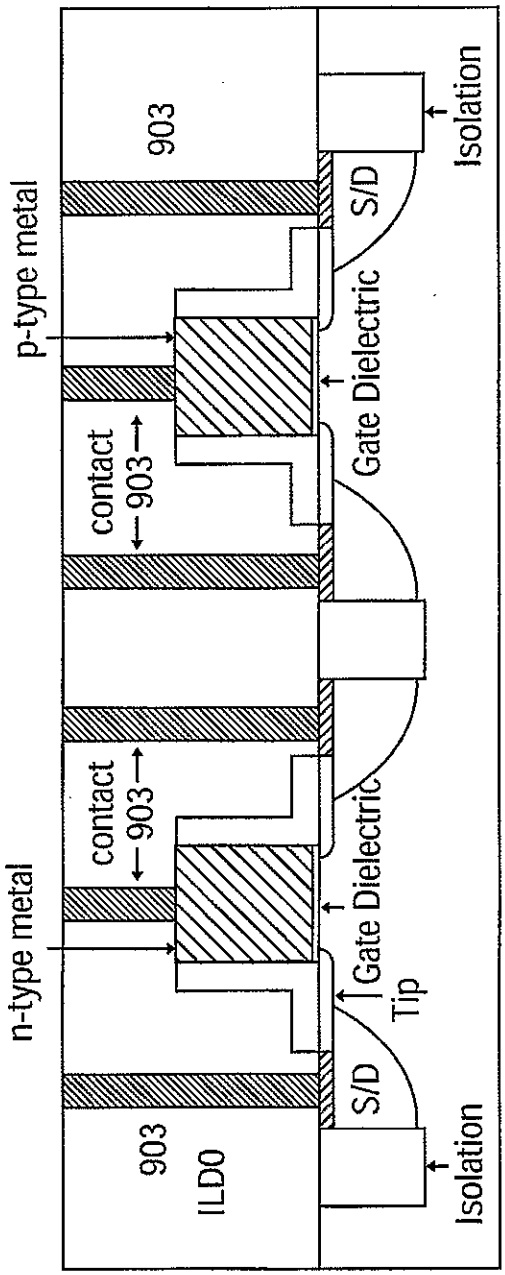

n-type metal
p-type metal
903
ILD0
contact
903
Gate Dielectric
Tip
S/D
Isolation

FIG. 9

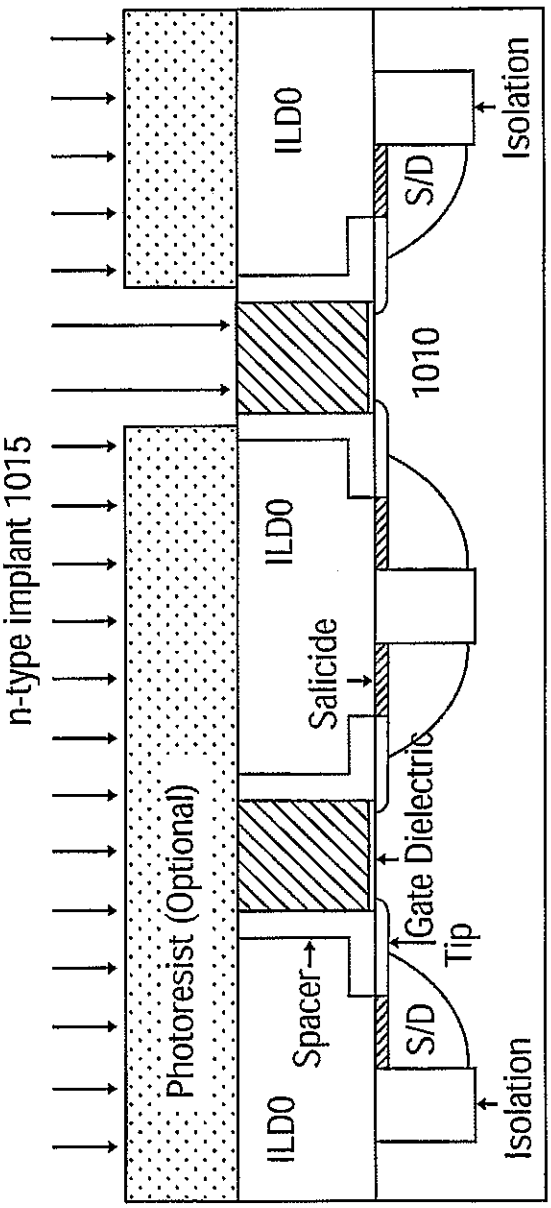

n-type implant 1015
Photoresist (Optional)
ILD0
Spacer
Salicide
Gate Dielectric
Tip
S/D
1010
Isolation

FIG. 10

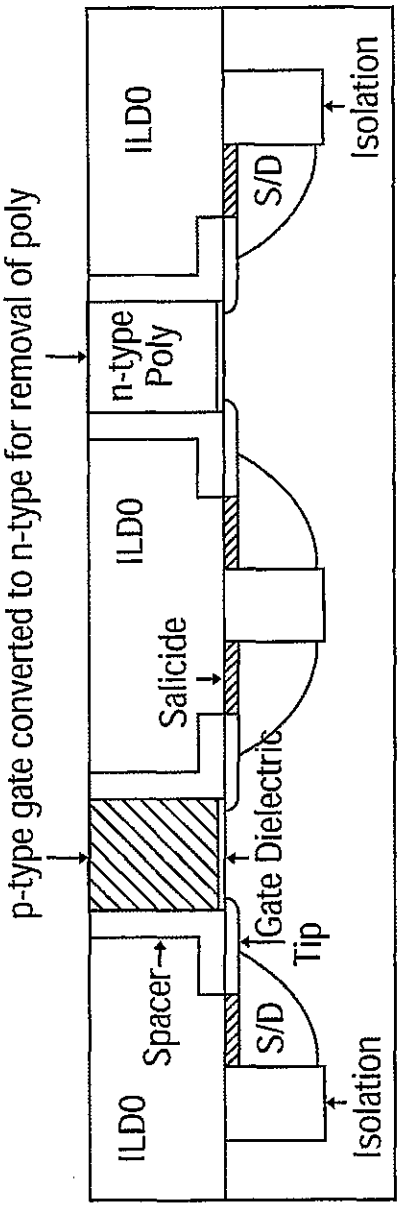

p-type gate converted to n-type for removal of poly
ILD0
n-type Poly
ILD0
Salicide
Gate Dielectric
Spacer
S/D
Tip
ILD0
S/D
Isolation
Isolation

FIG. 11

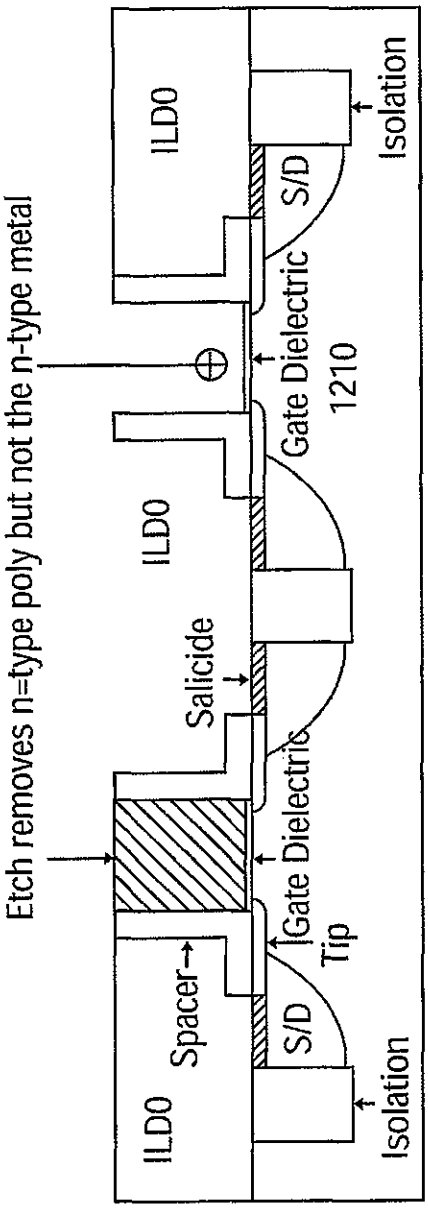

Etch removes n=type poly but not the n-type metal
ILD0
Gate Dielectric
1210
ILD0
Salicide
Gate Dielectric
Spacer
S/D
Tip
ILD0
S/D
Isolation
Isolation

FIG. 12