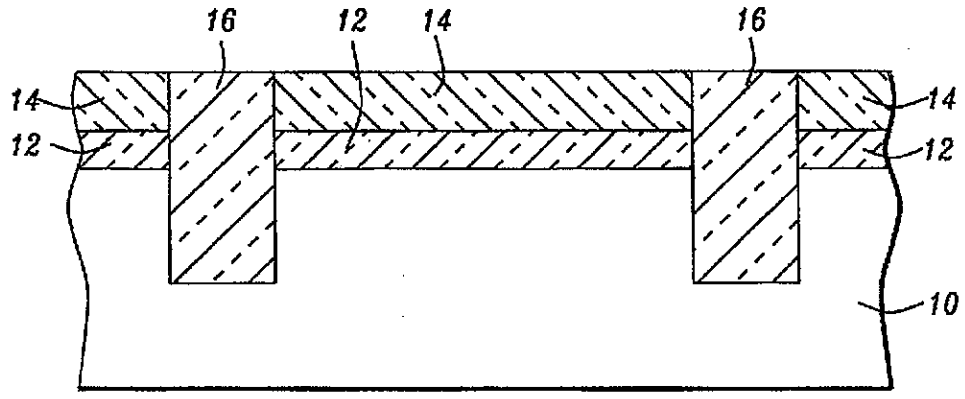


FIG. 1

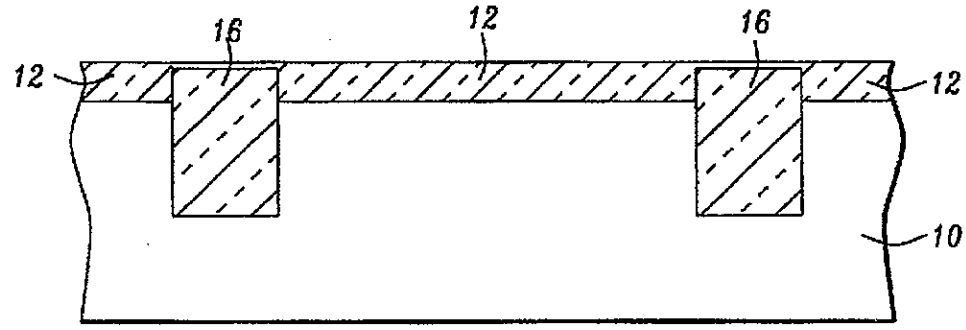


FIG. 2

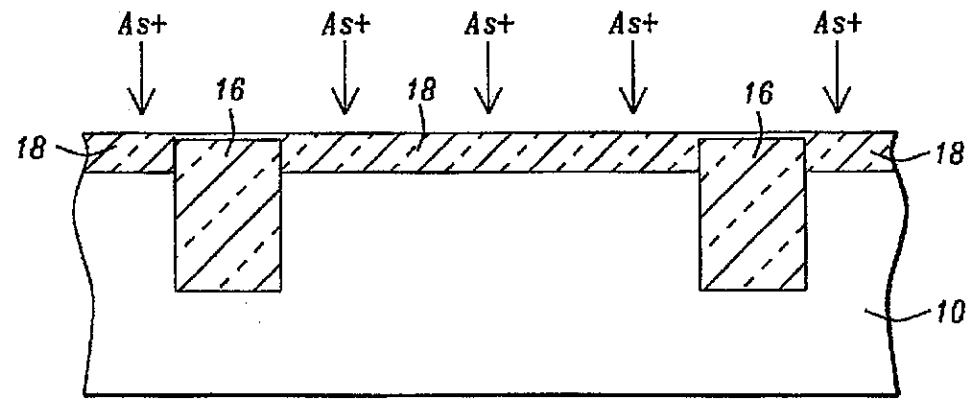


FIG. 3

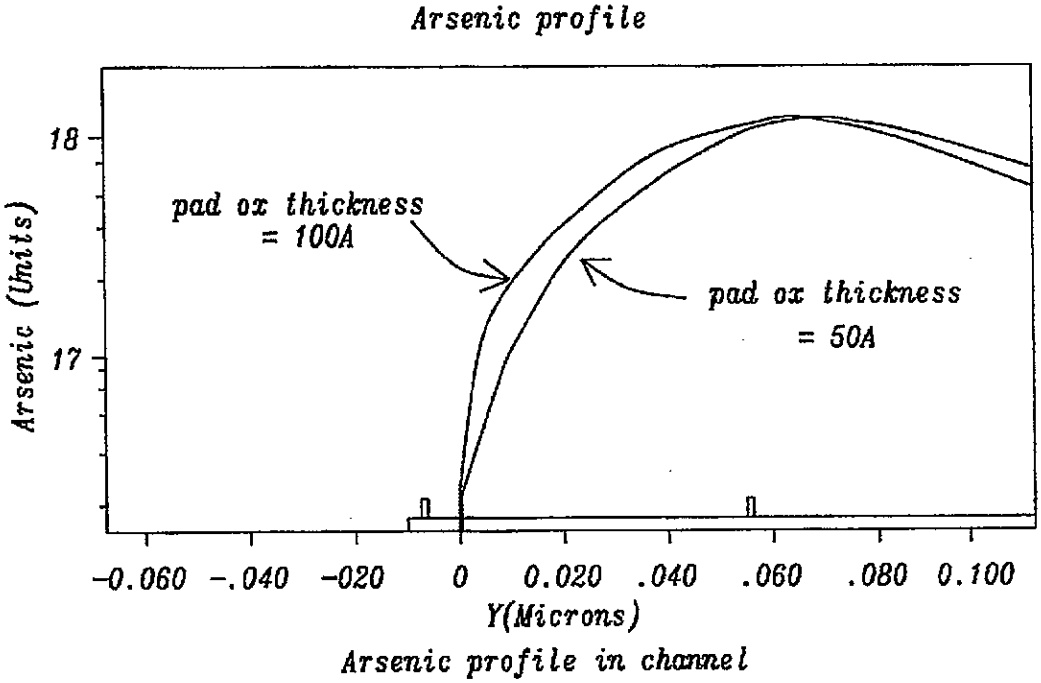

Arsenic profile
18
17
Arsenic (Units)
pad ox thickness
= 100A
pad ox thickness
= 50A
-0.060
-.040
-020
0
0.020
.040
.060
.080
0.100
Y(Microns)
Arsenic profile in channel

FIG. 4

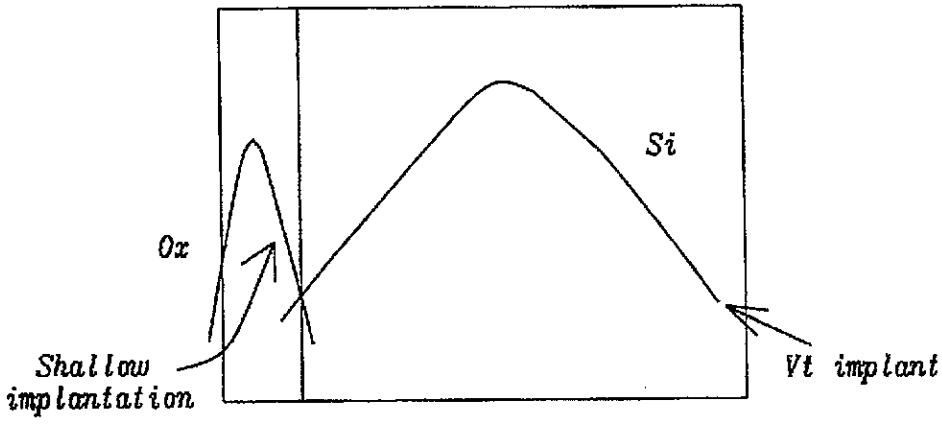

Si
Ox
Shallow
implantation
Vt implant
Sacrificial implantation illustration

FIG. 5

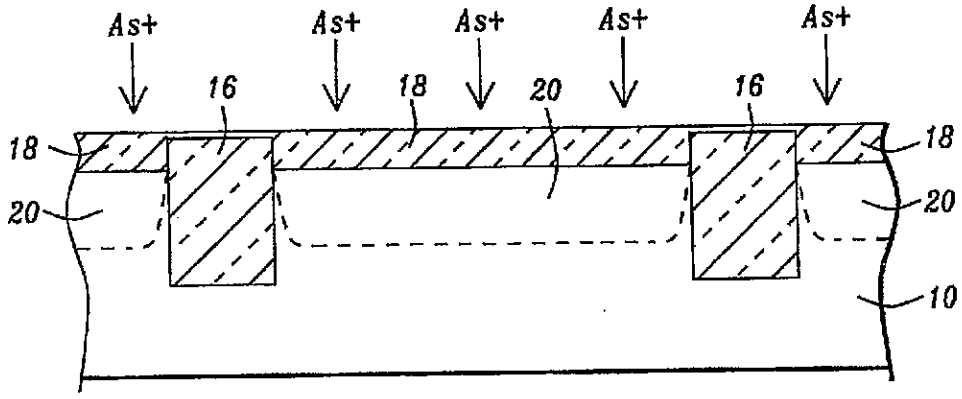


FIG. 6

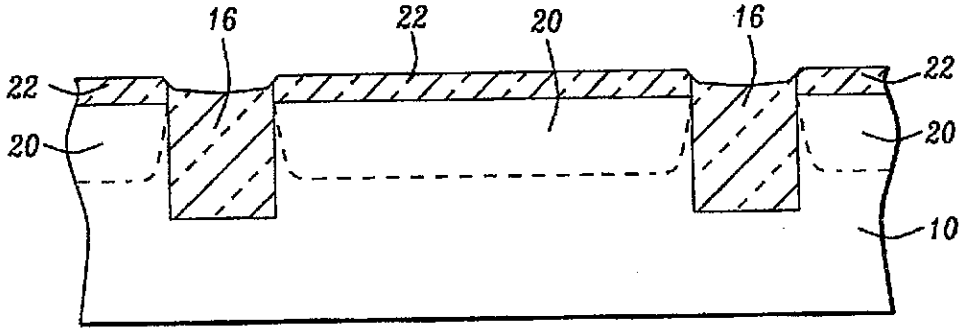


FIG. 7

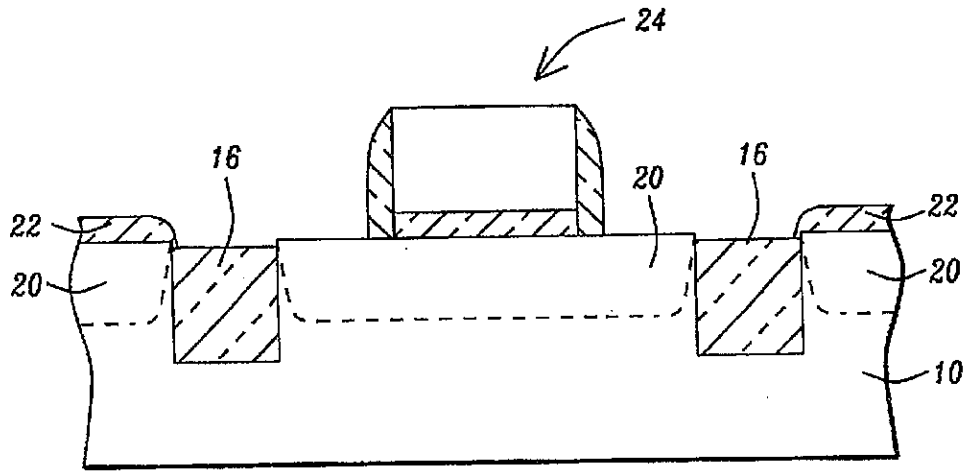


FIG. 8