

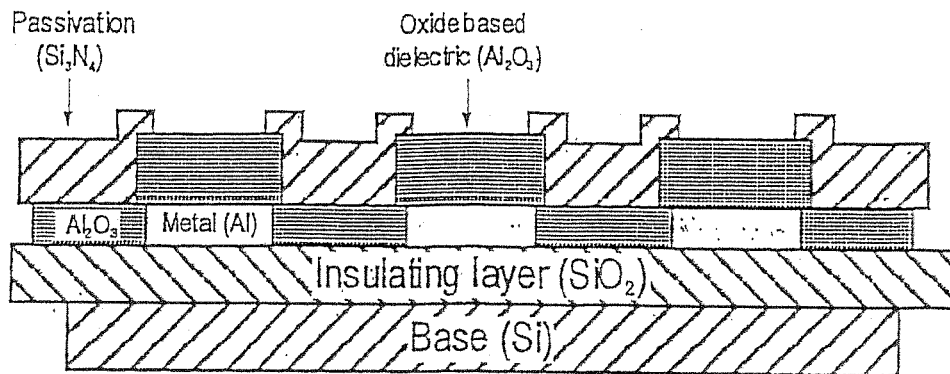


FIG.1

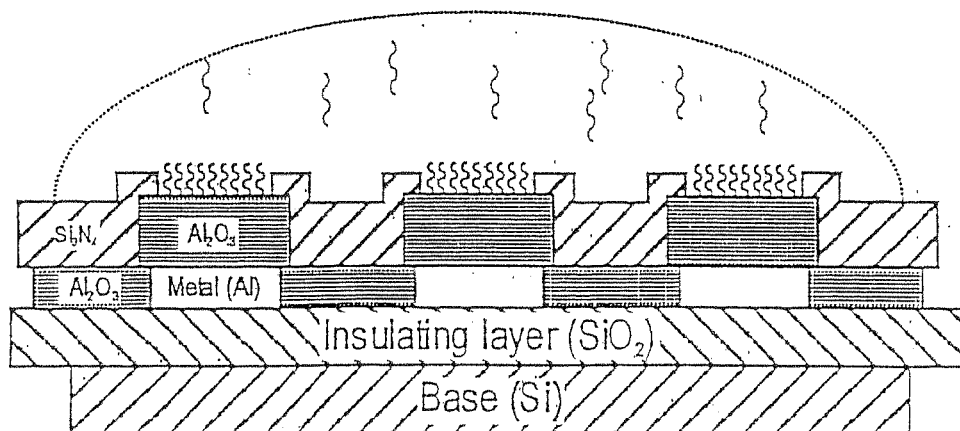


FIG.2

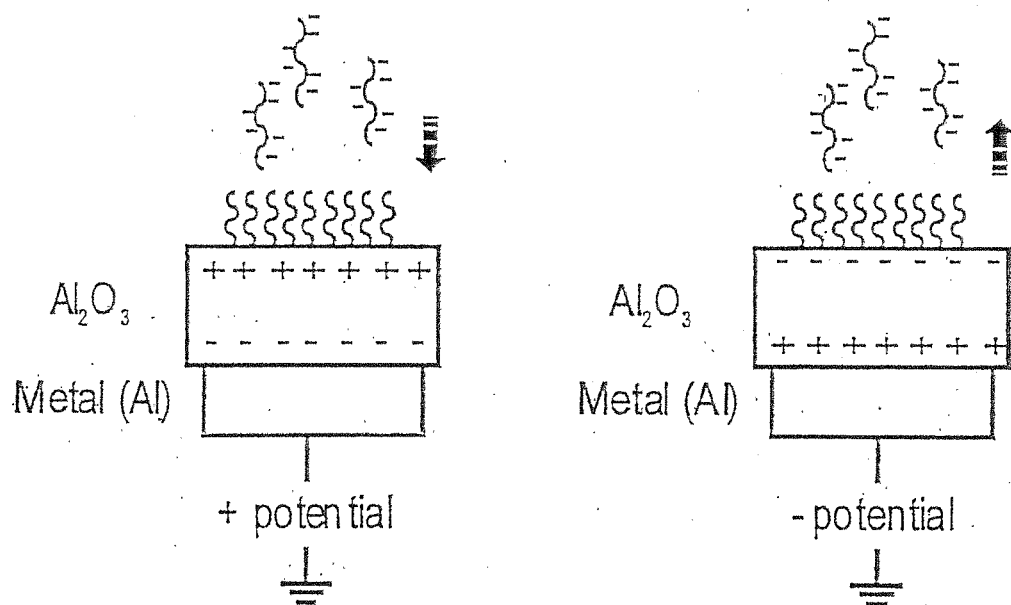


FIG.3

FIG.4

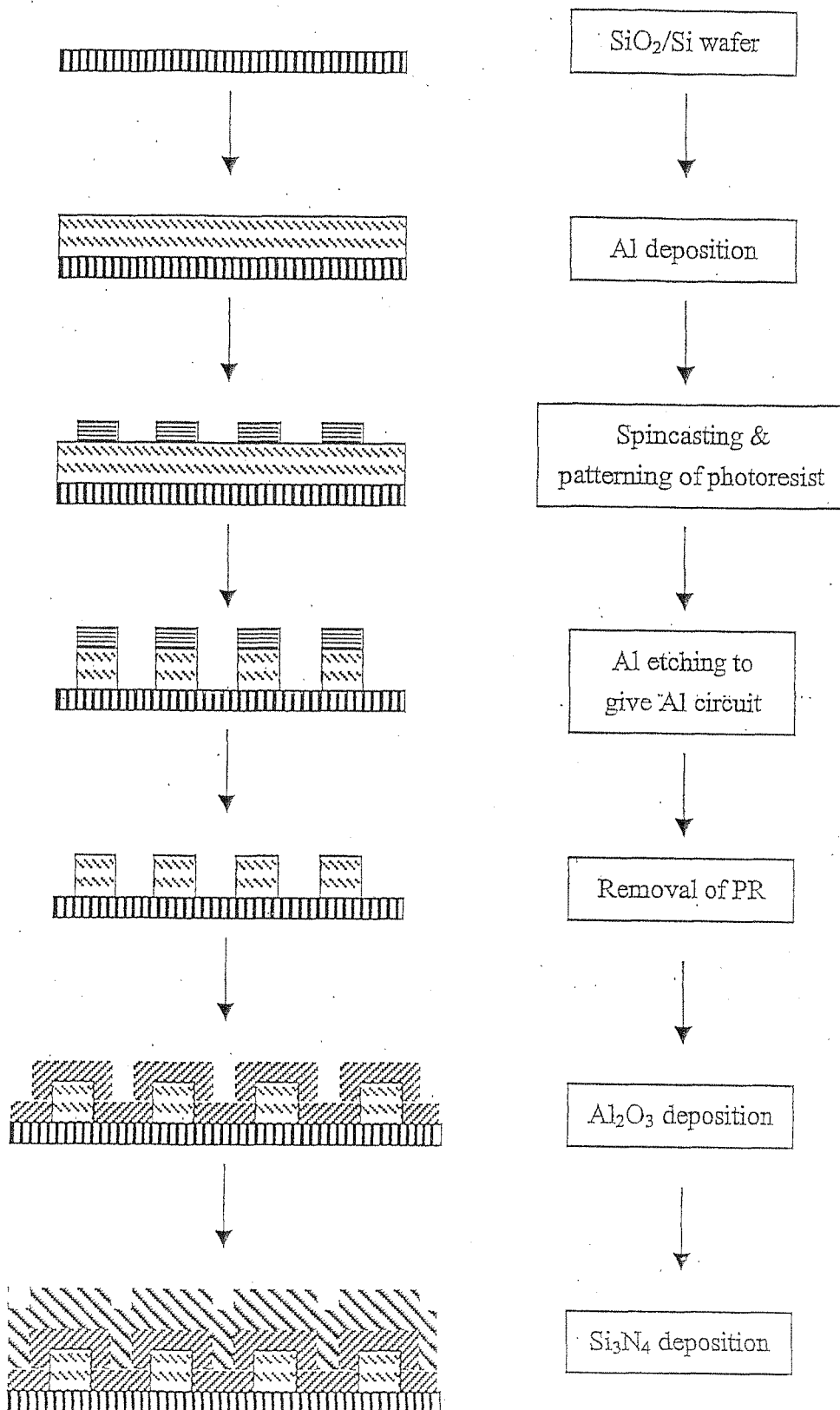
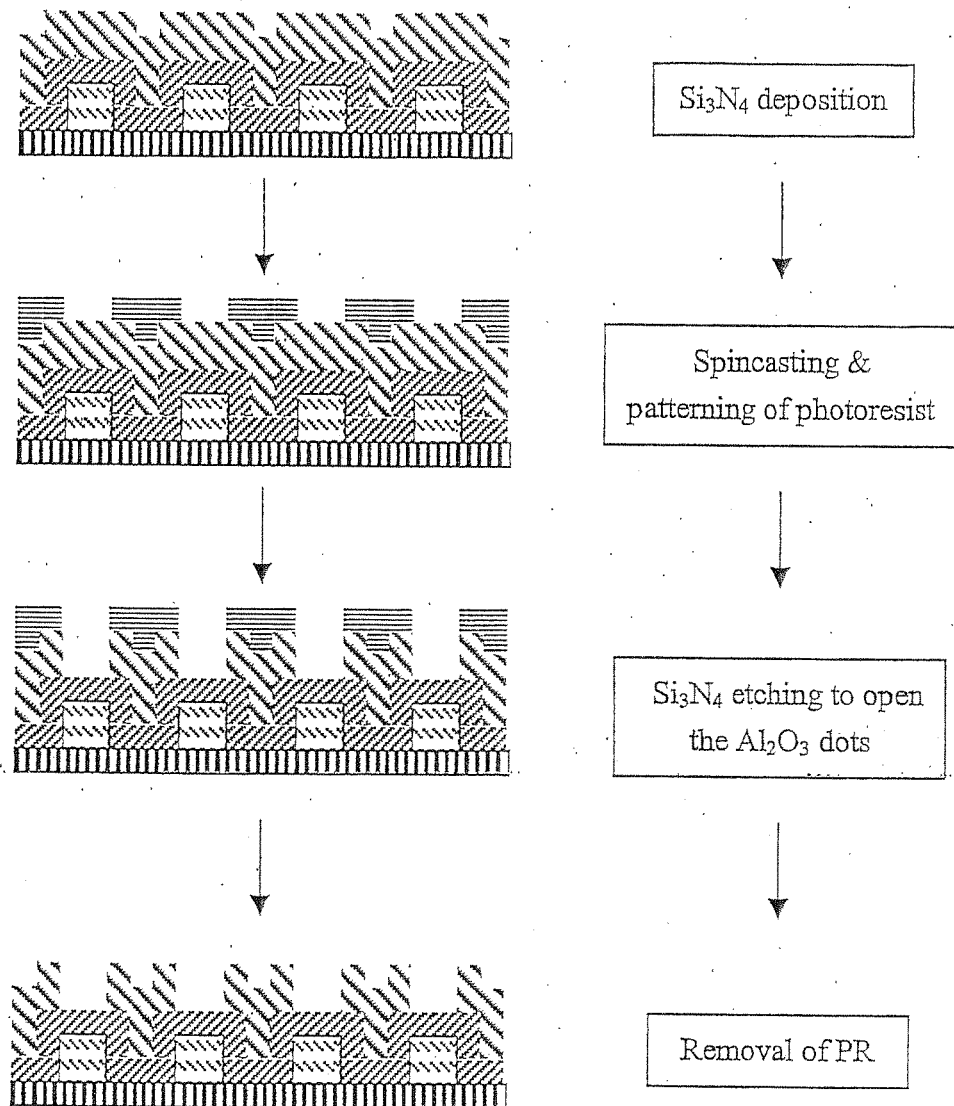


FIG.4 (cont.)



Final structure

-  Si_3N_4
-  Al_2O_3
-  Al
-  SiO_2/Si

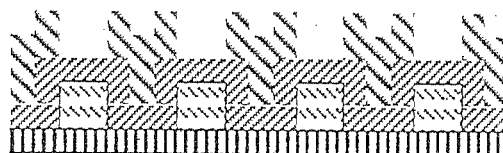
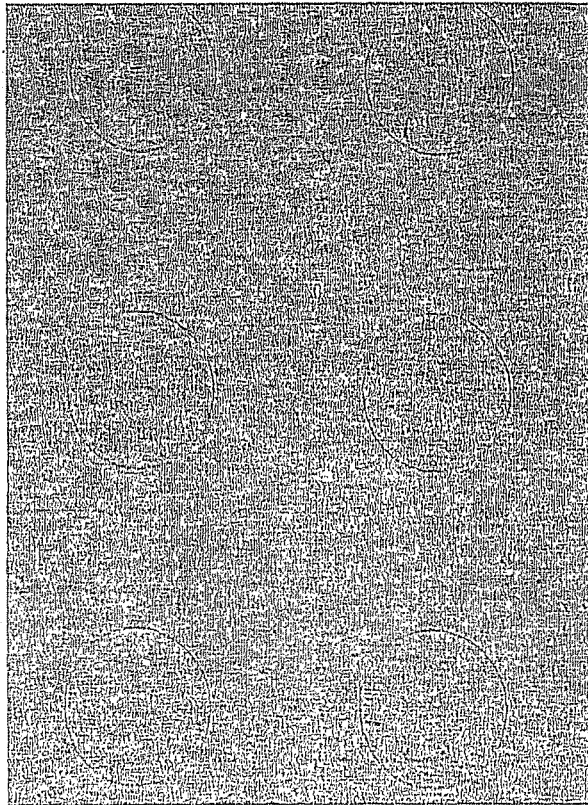
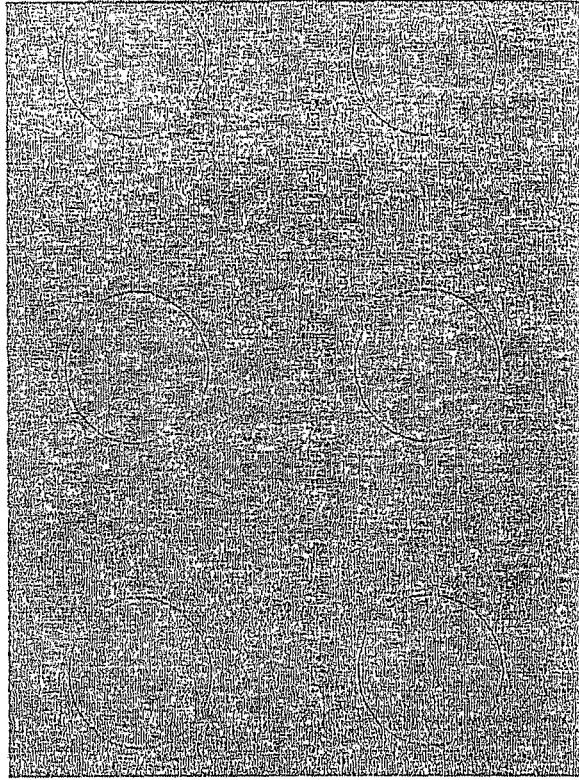


FIG. 5



(a)

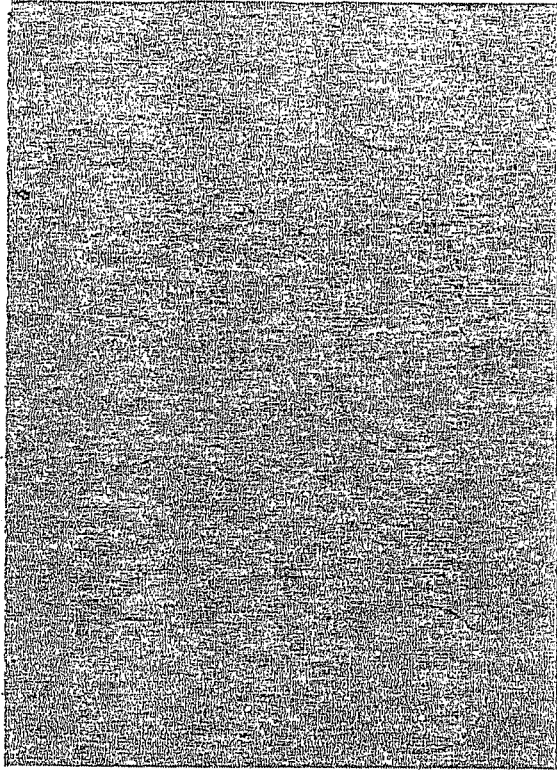


(b)

FIG.6

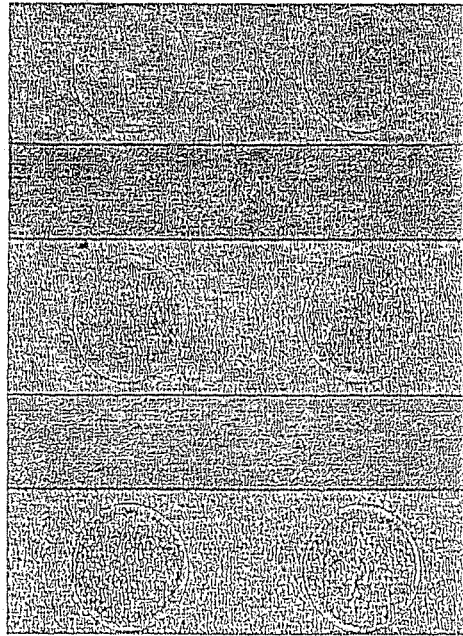


(a)

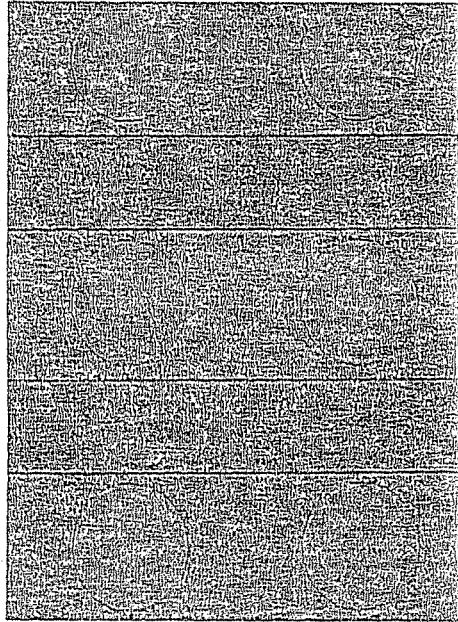


(b)

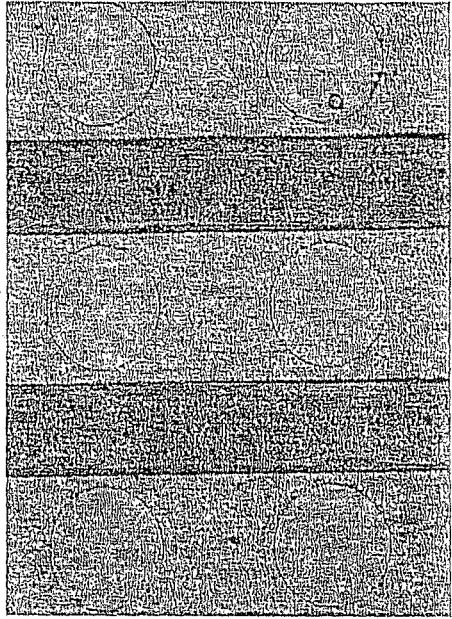
FIG.7



(a)



(b)



(c)