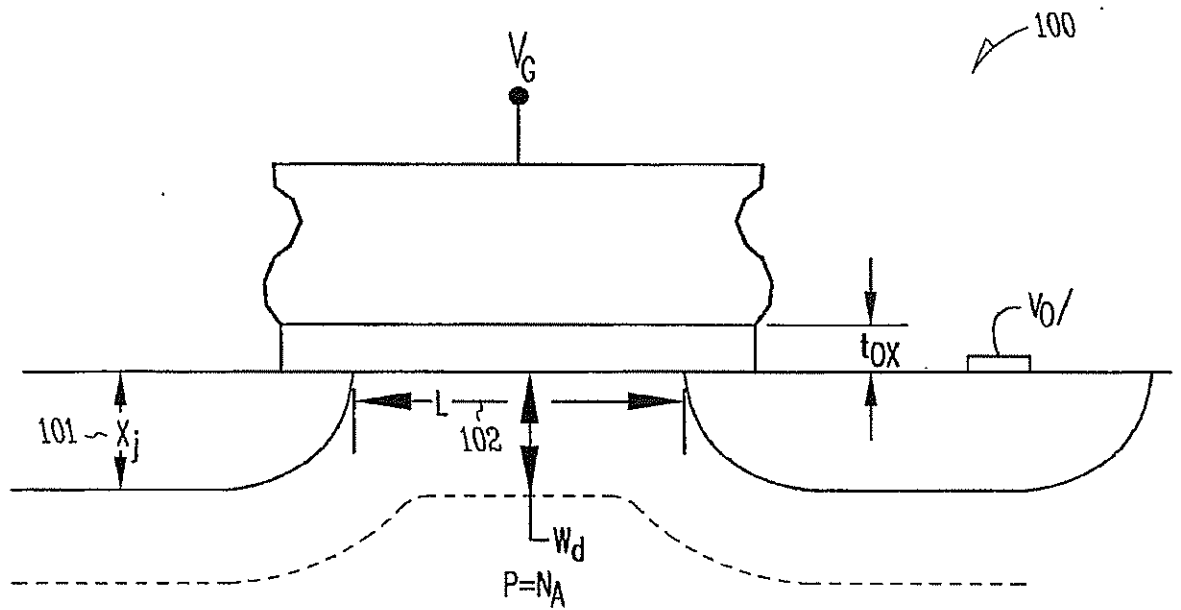




$$V_G \longrightarrow V_G/k$$

$$V_0 \longrightarrow V_0/k$$

$$t_{ox} \longrightarrow t_{ox}/k$$

$$L \longrightarrow L/k$$

$$X_j \longrightarrow X_j/k$$

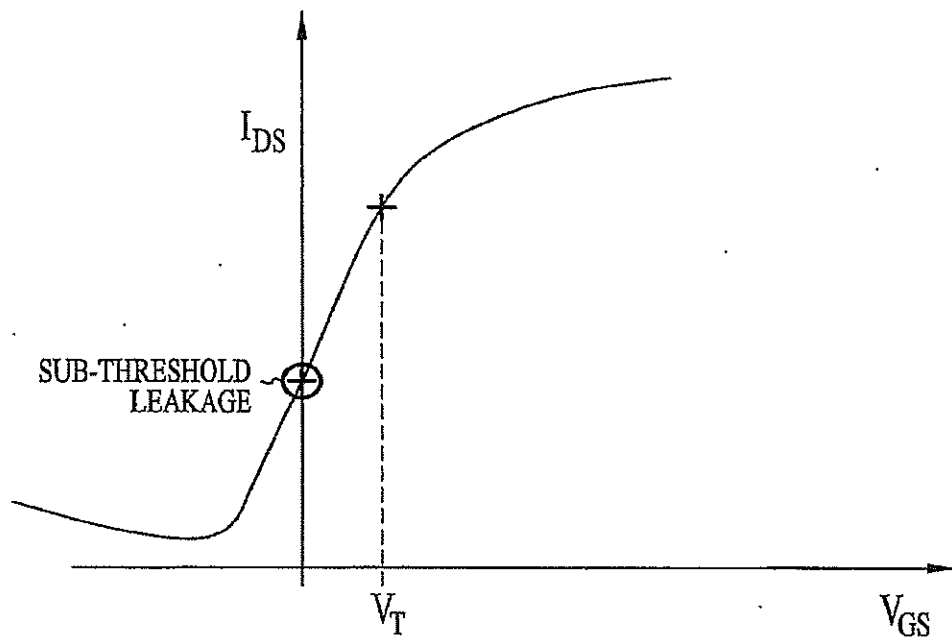
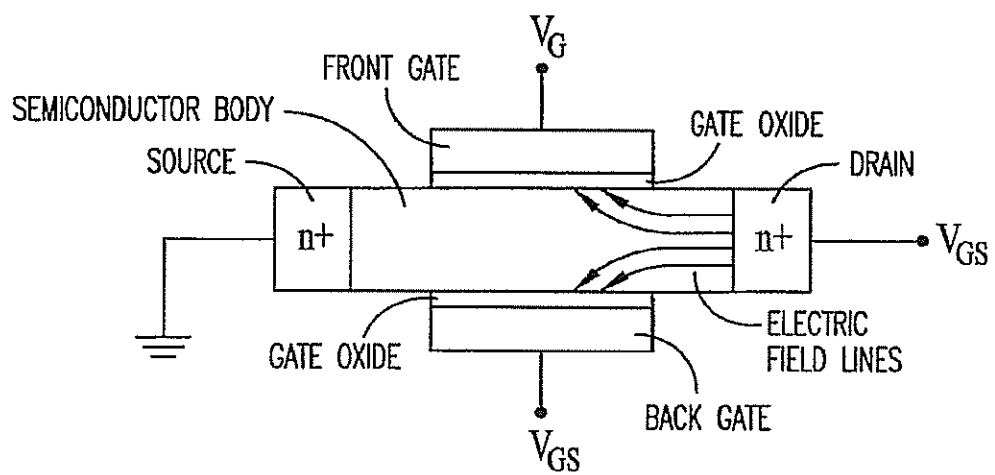
JUNCTION DEPTH DECREASED

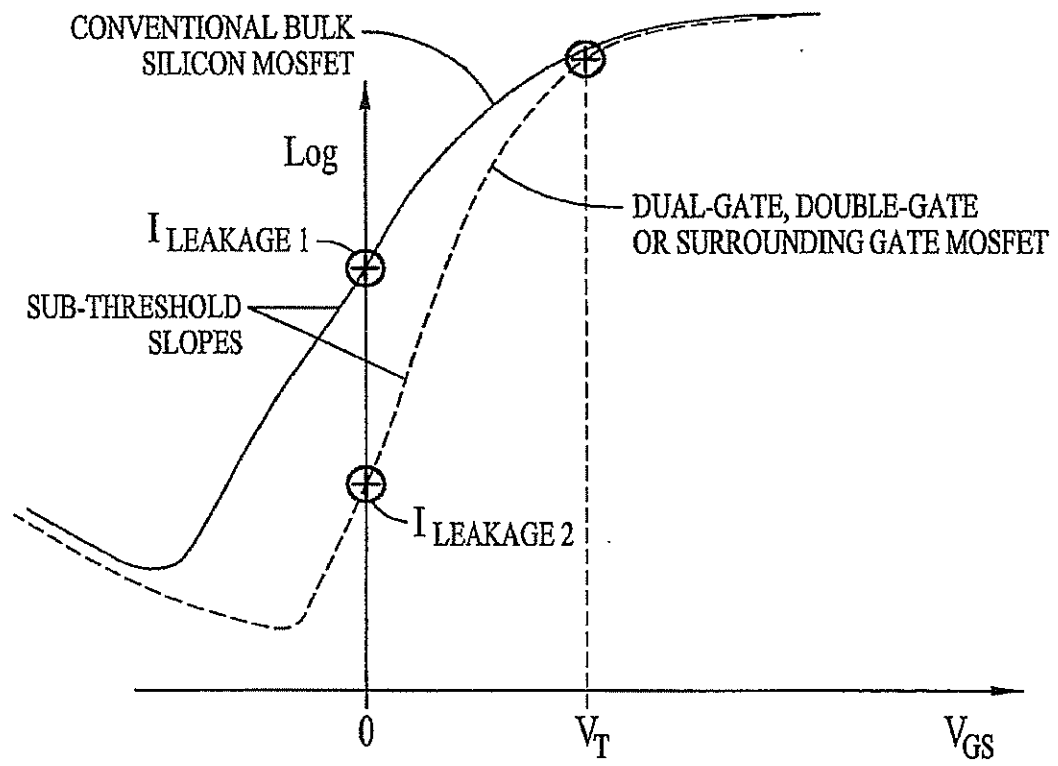
$$W_d \longrightarrow W_d/k$$

$$N_A \longrightarrow k N_A$$

SUBSTRATE DOPING INCREASED

FIG. 1

*FIG. 2**FIG. 3*

**FIG. 4**

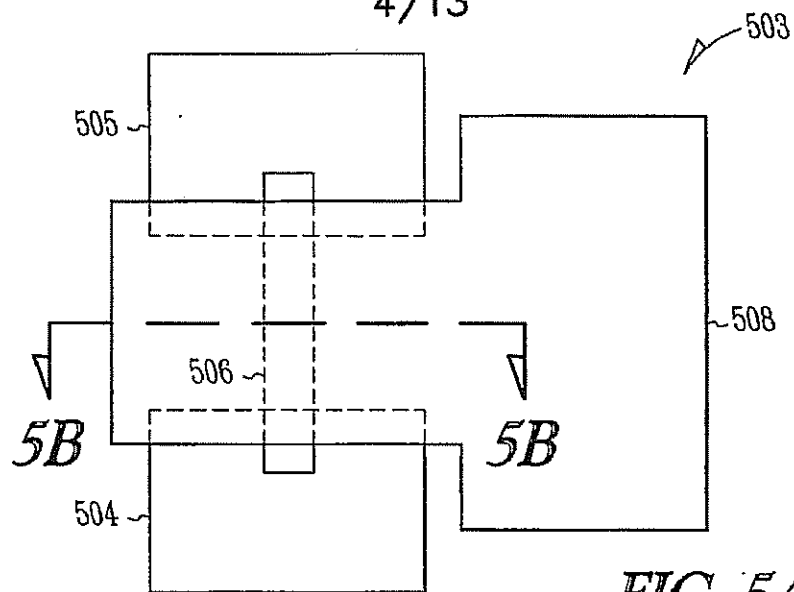


FIG. 5A
(PRIOR ART)

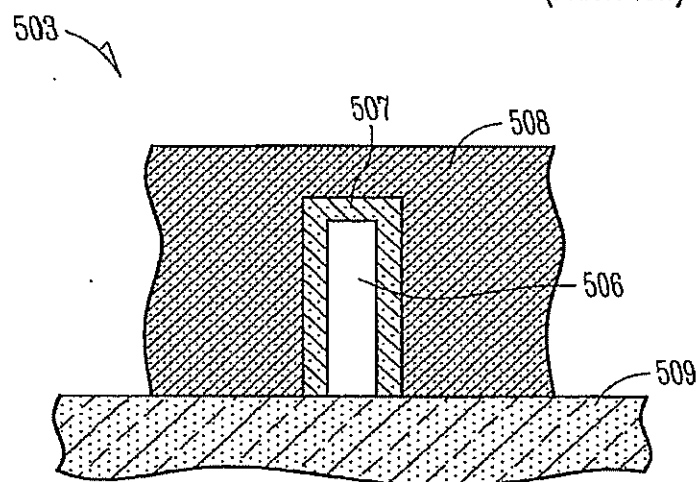


FIG. 5B
(PRIOR ART)

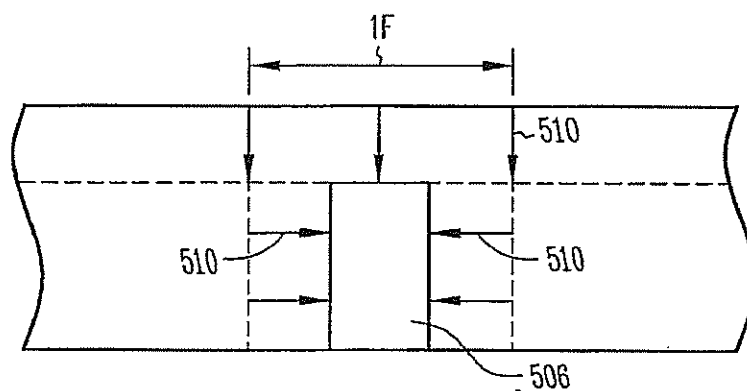


FIG. 5C
(PRIOR ART)

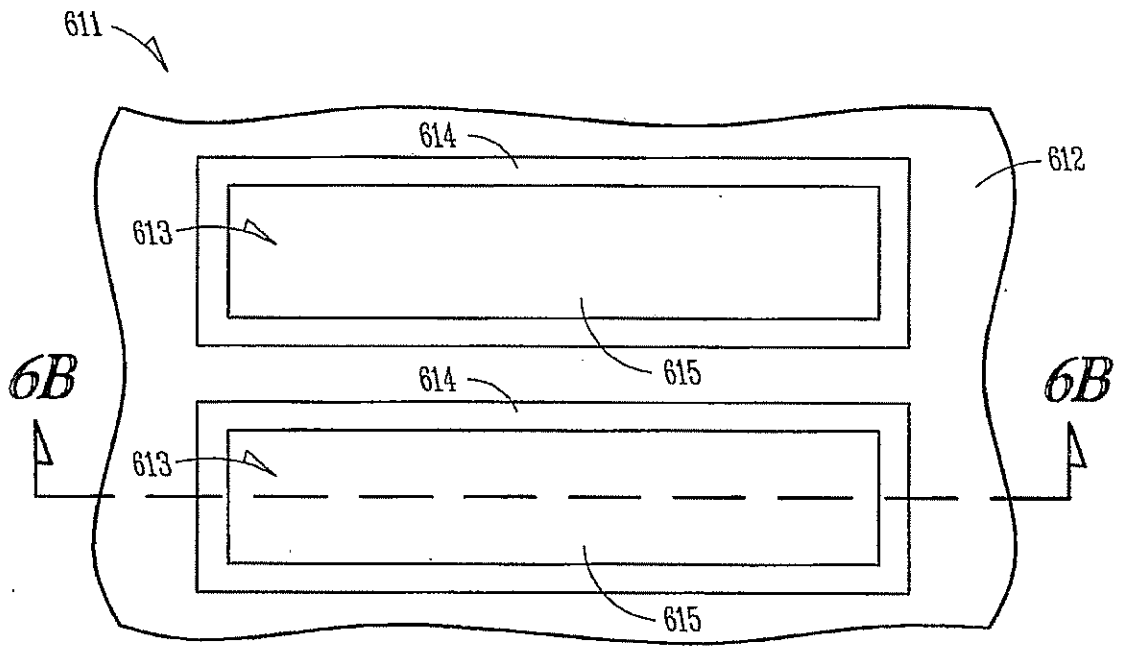


FIG. 6A

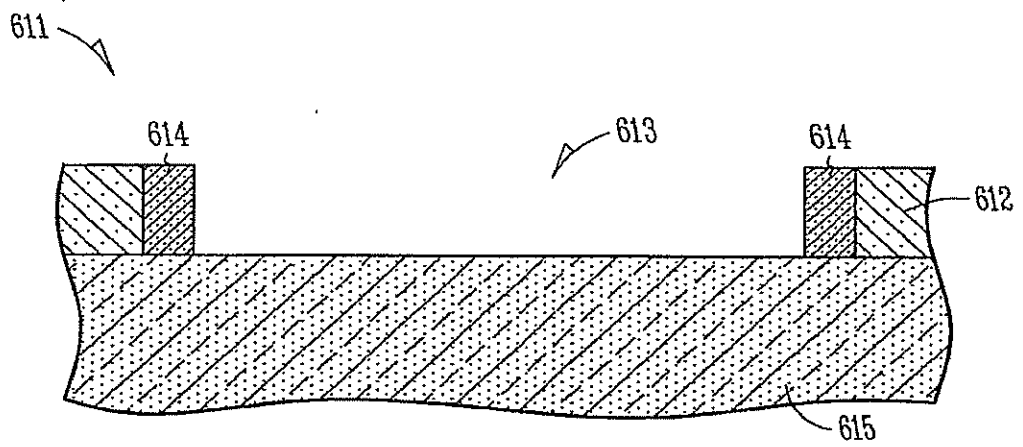


FIG. 6B

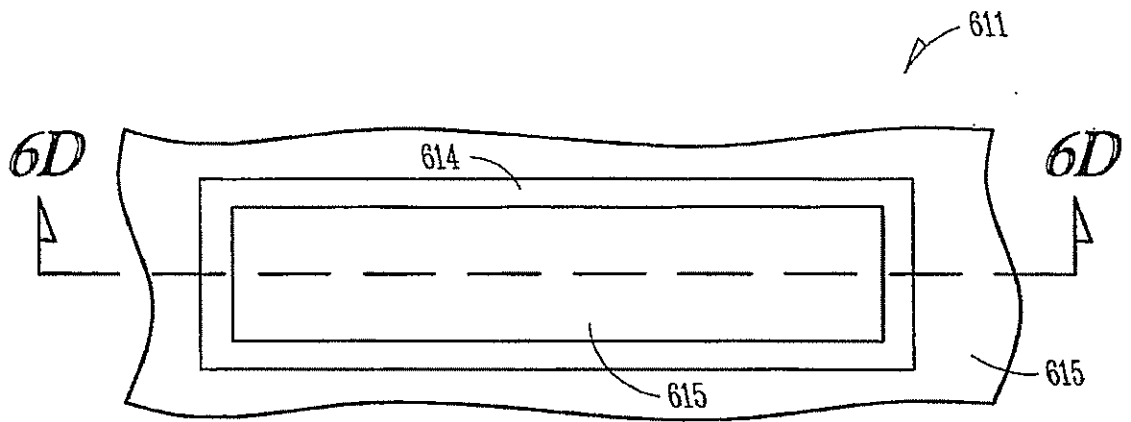


FIG. 6C

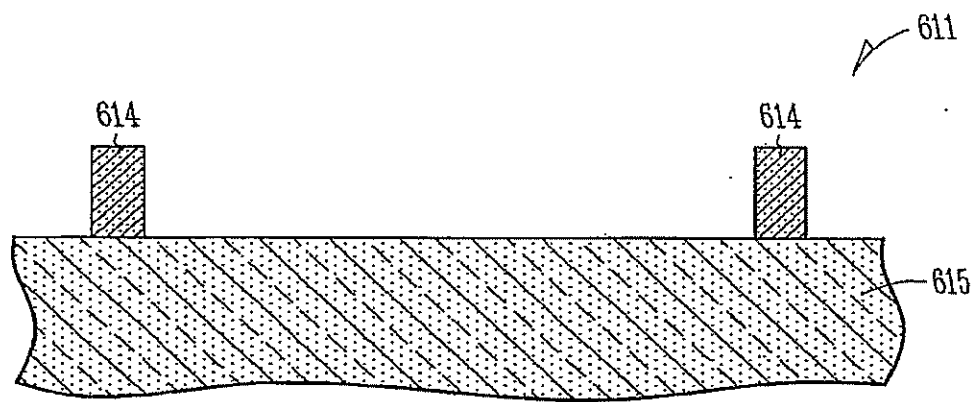


FIG. 6D

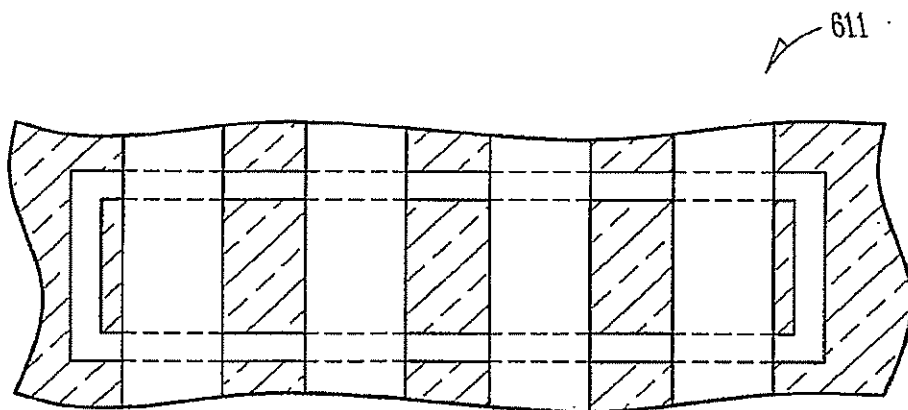


FIG. 6E

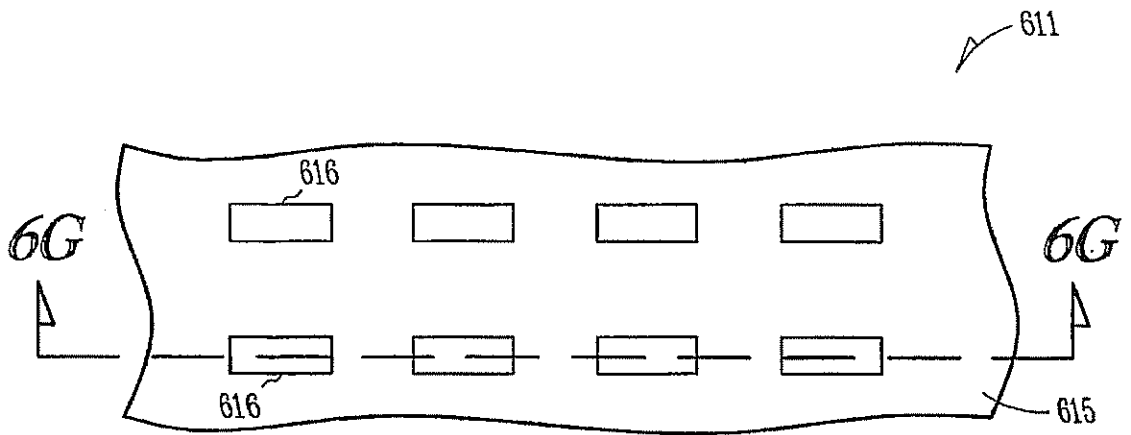


FIG. 6F

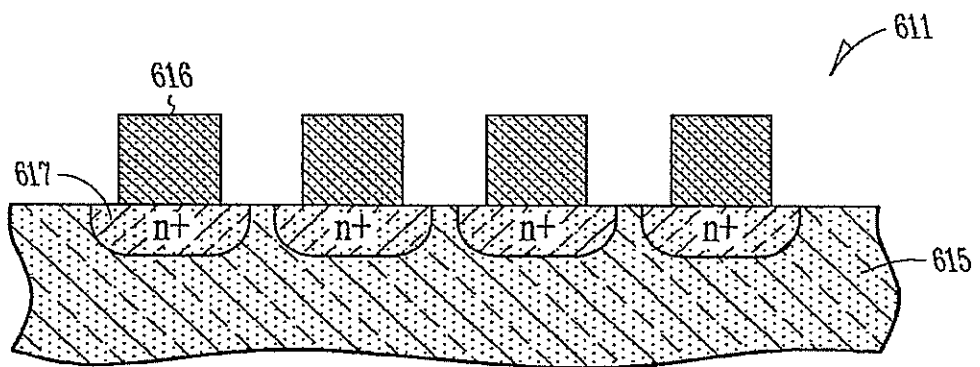


FIG. 6G

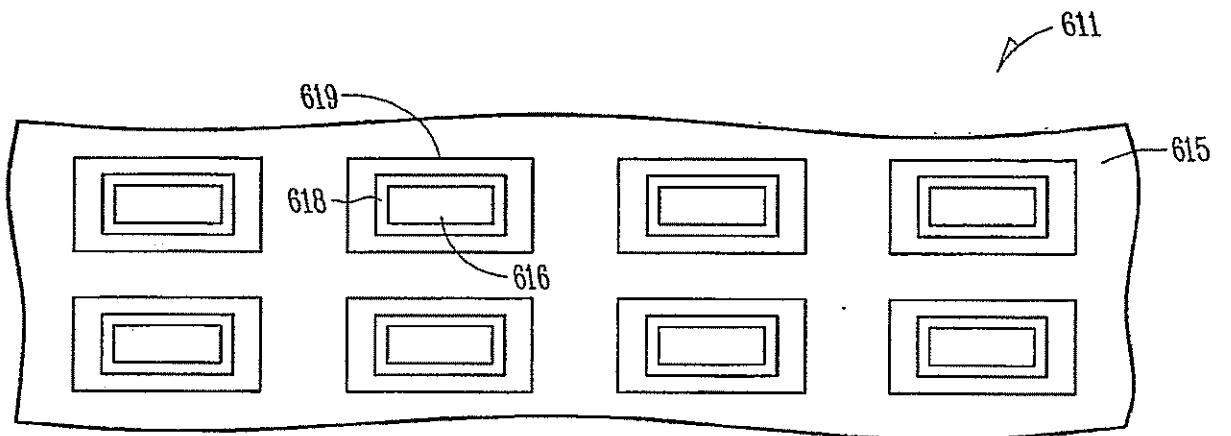


FIG. 6H

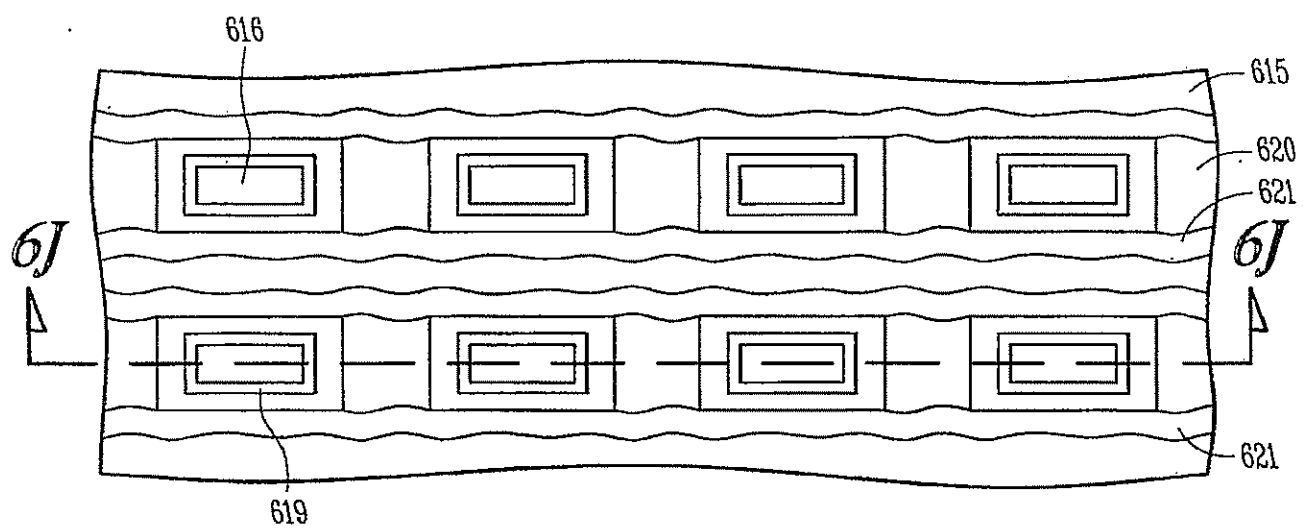


FIG. 6I

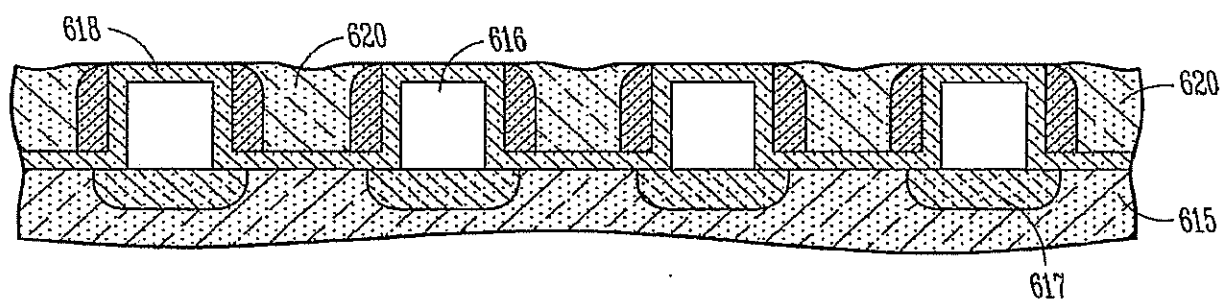


FIG. 6J

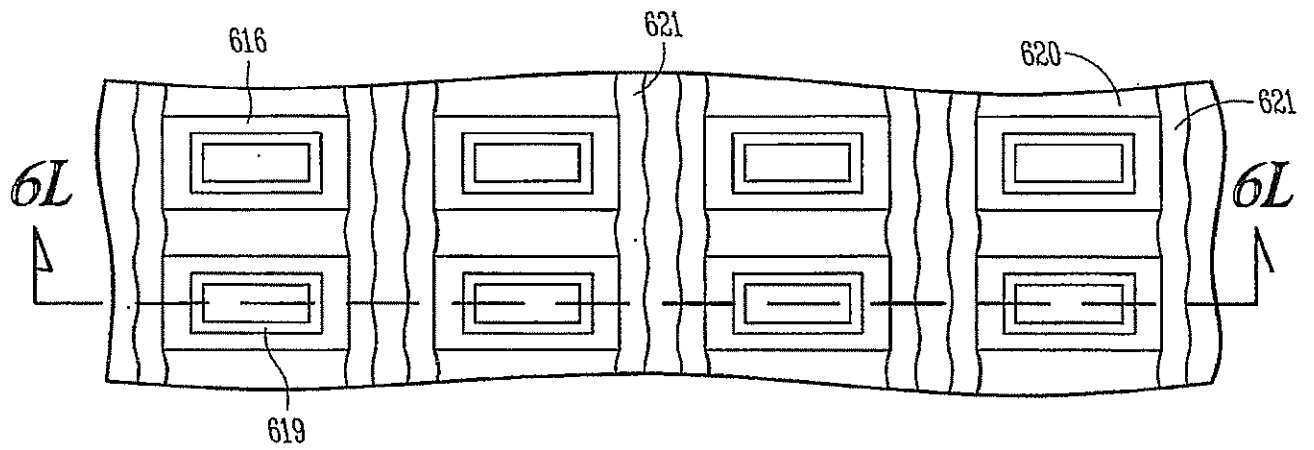


FIG. 6K

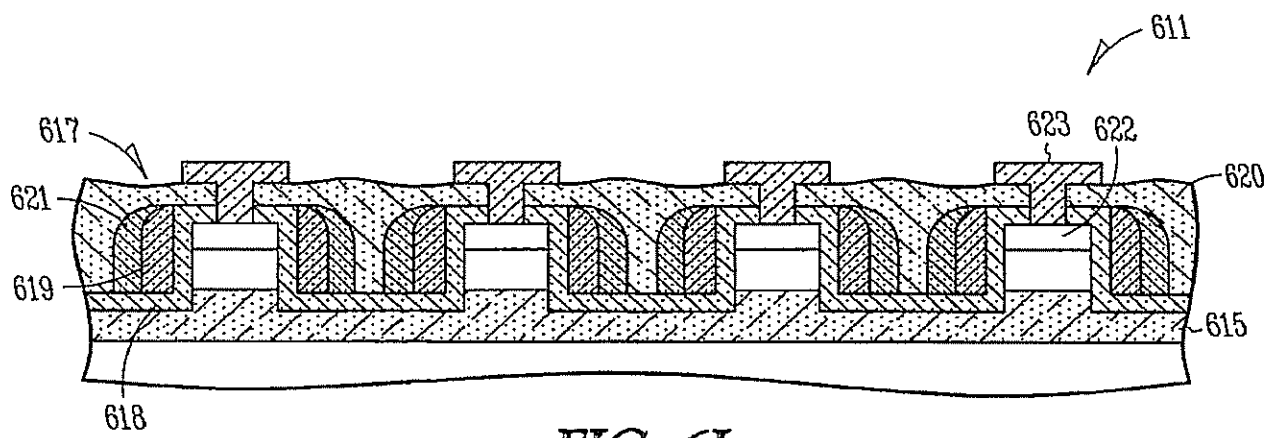
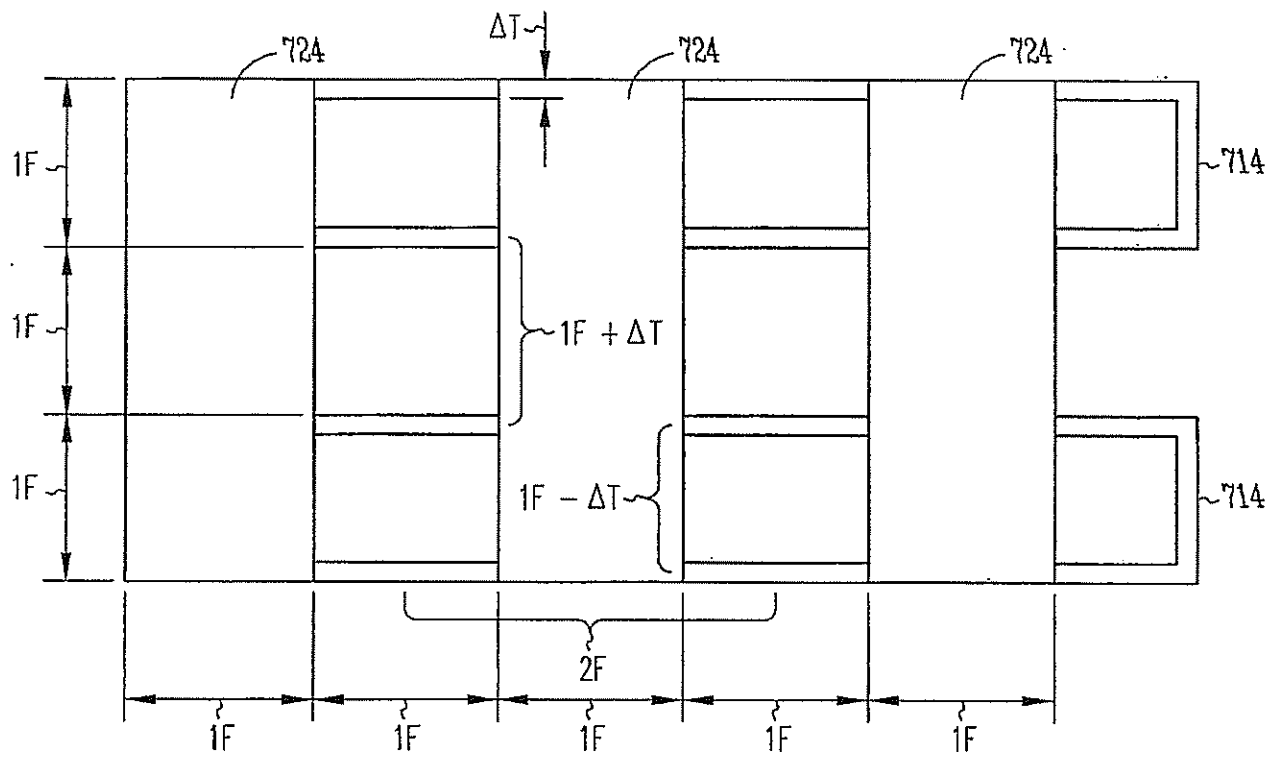
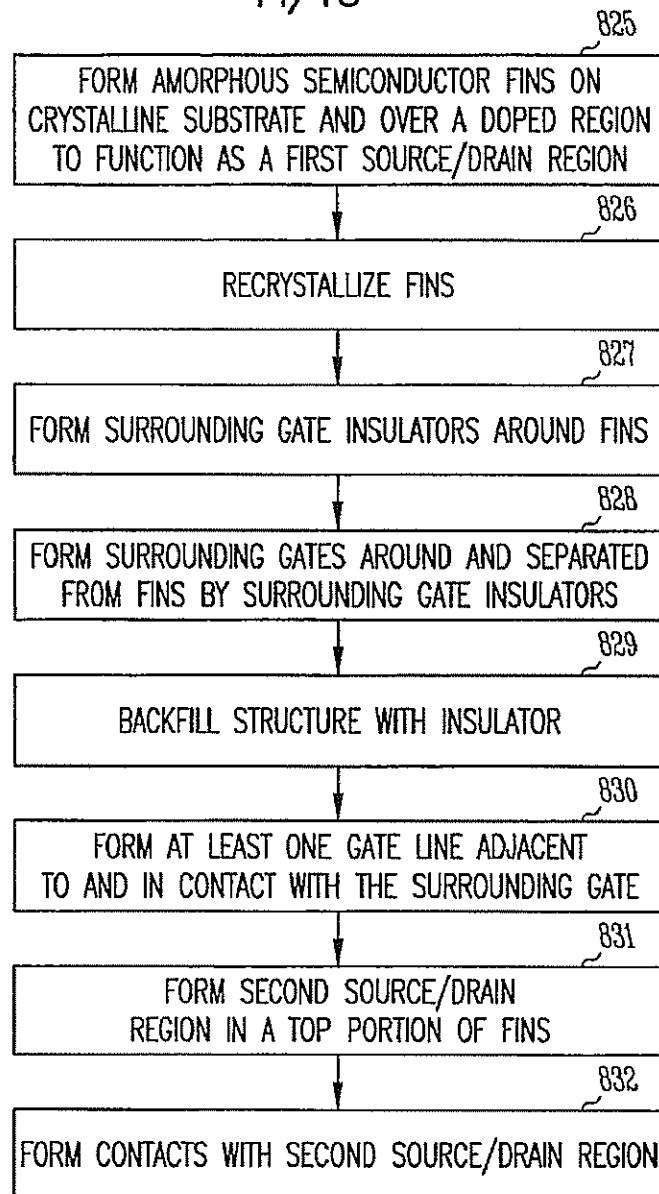
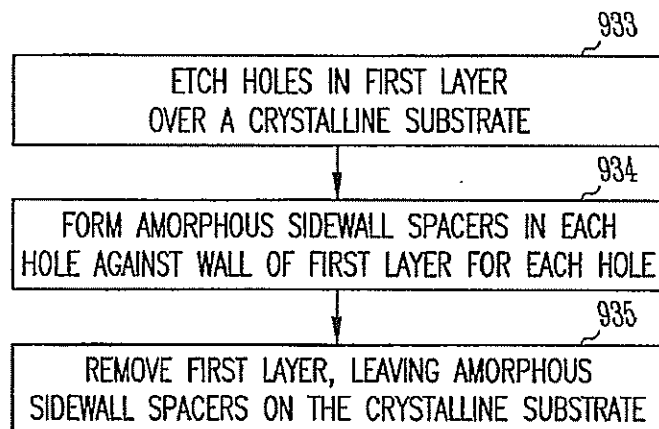


FIG. 6L

**FIG. 7**

*FIG. 8**FIG. 9*

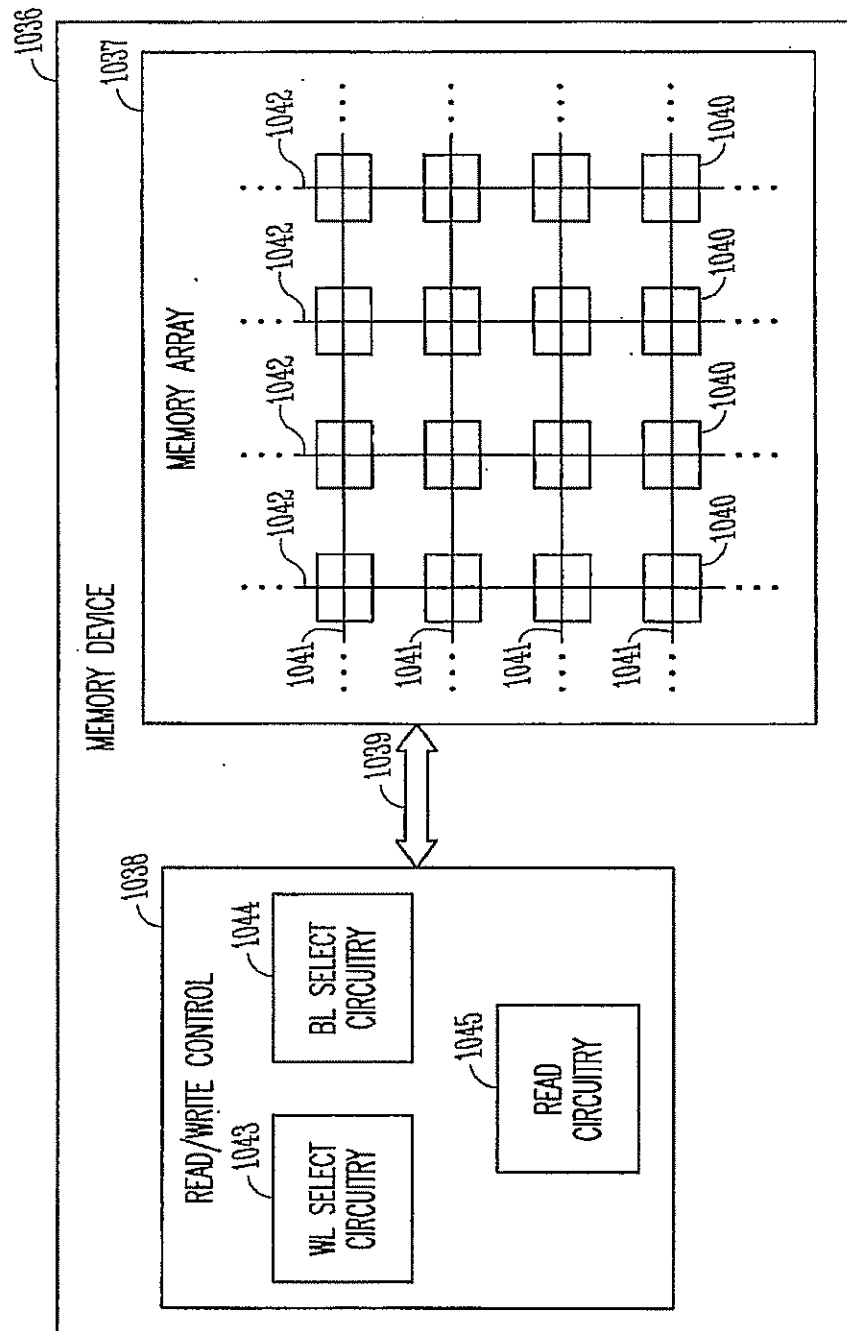


FIG. 10

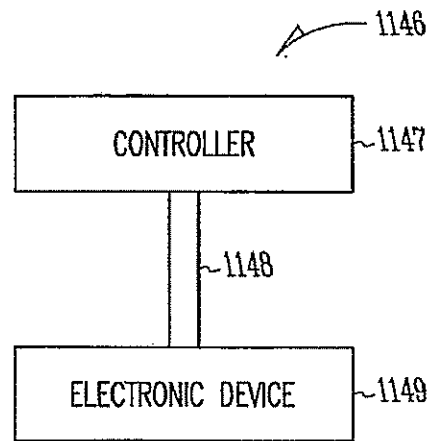


FIG. 11

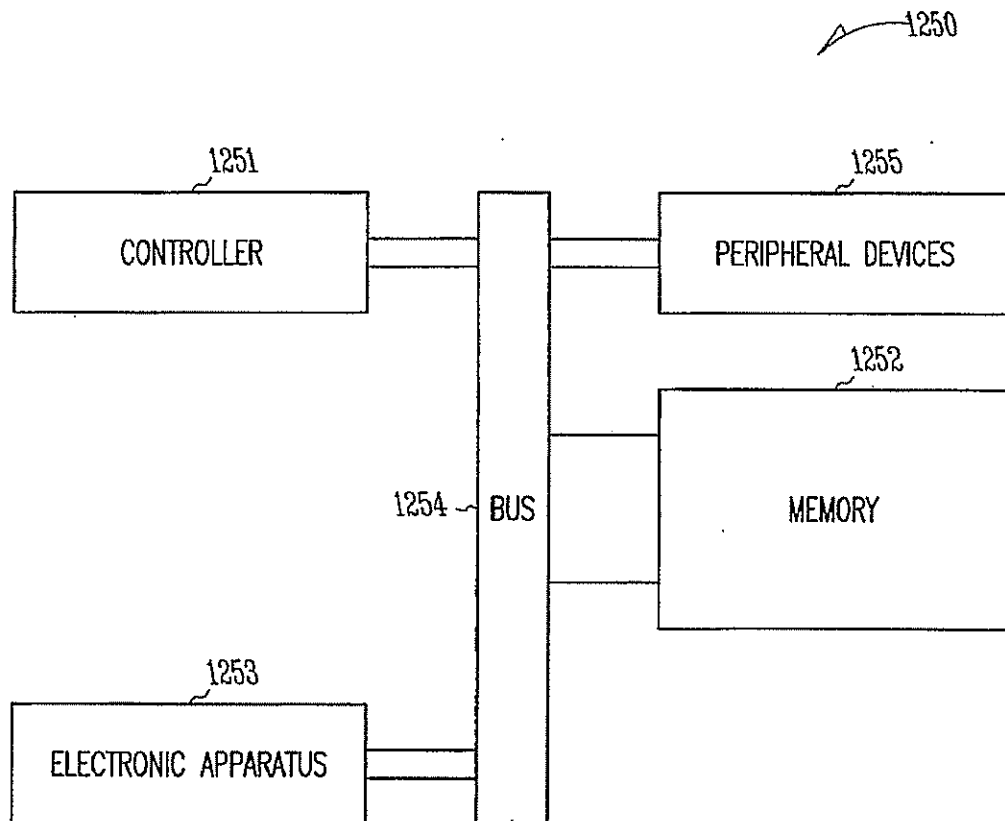


FIG. 12