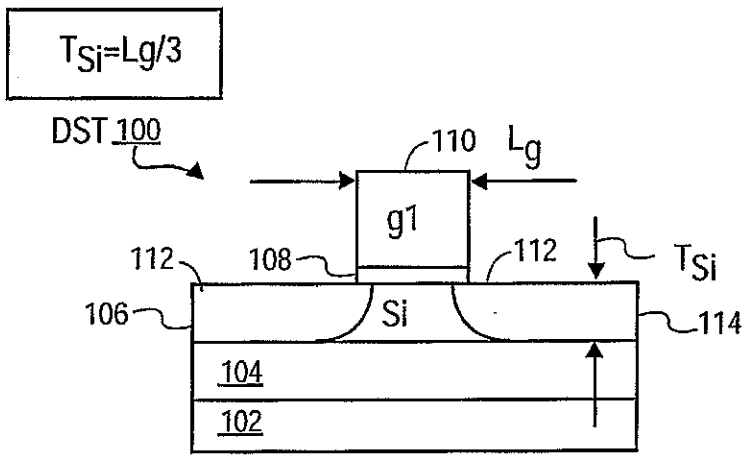

T_{Si}=Lg/3
DST 100
110
Lg
g1
112
108
112
T_{Si}
106
Si
114
104
102

FIG. 1

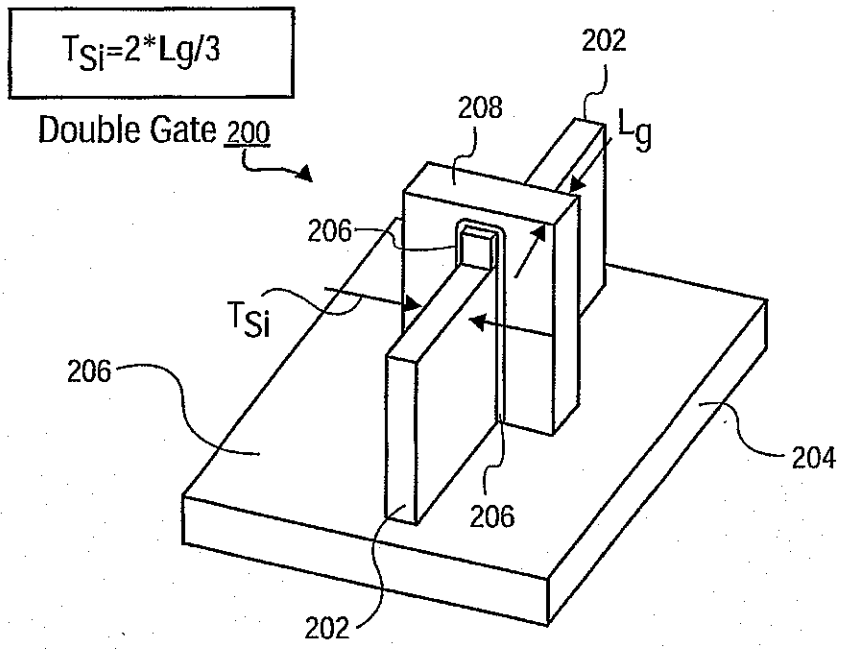

T_{Si}=2*Lg/3
Double Gate 200
202
208
Lg
206
T_{Si}
206
204
206
202

FIG. 2A

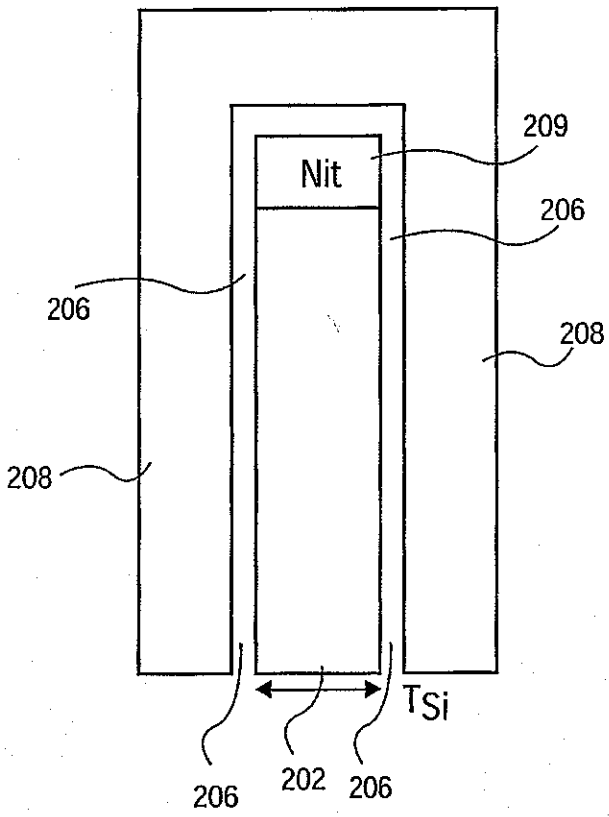


FIG. 2B

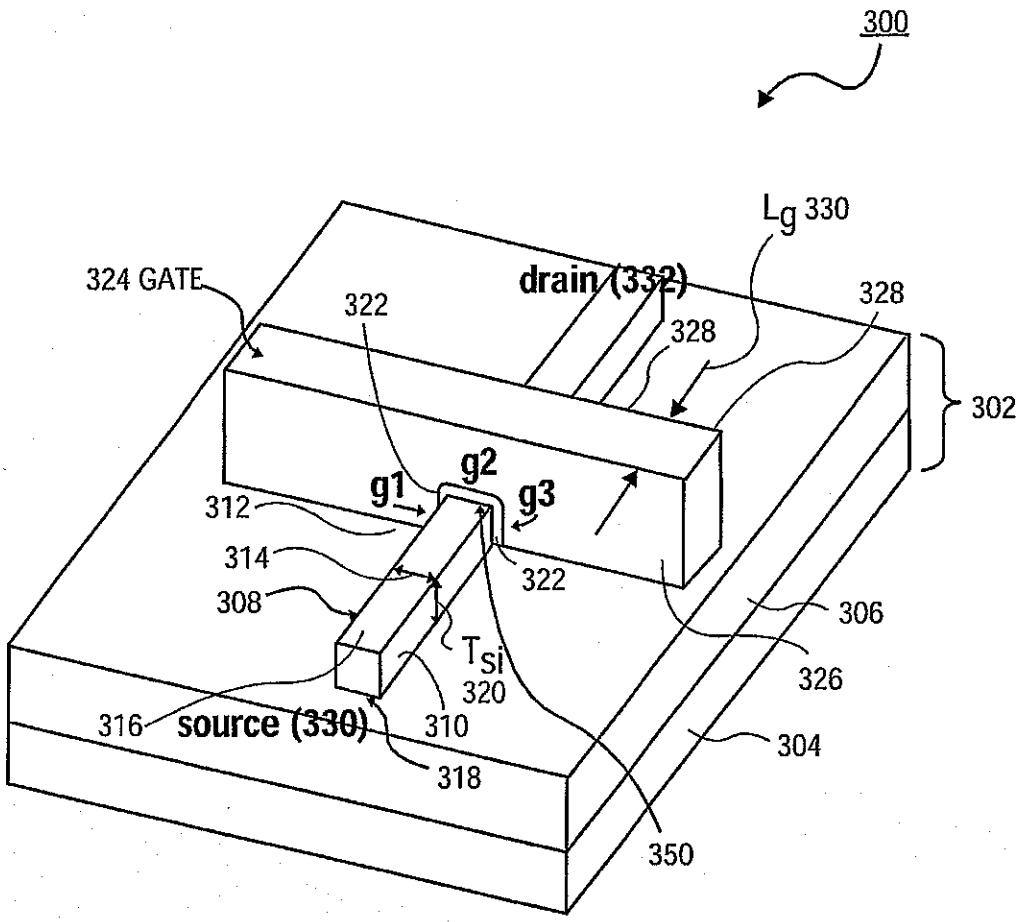

300
Lg 330
324 GATE
drain (332)
322
328
328
302
g1
g2
g3
312
314
308
322
306
326
Tsi
320
316
source (330)
310
318
304
350

FIG. 3

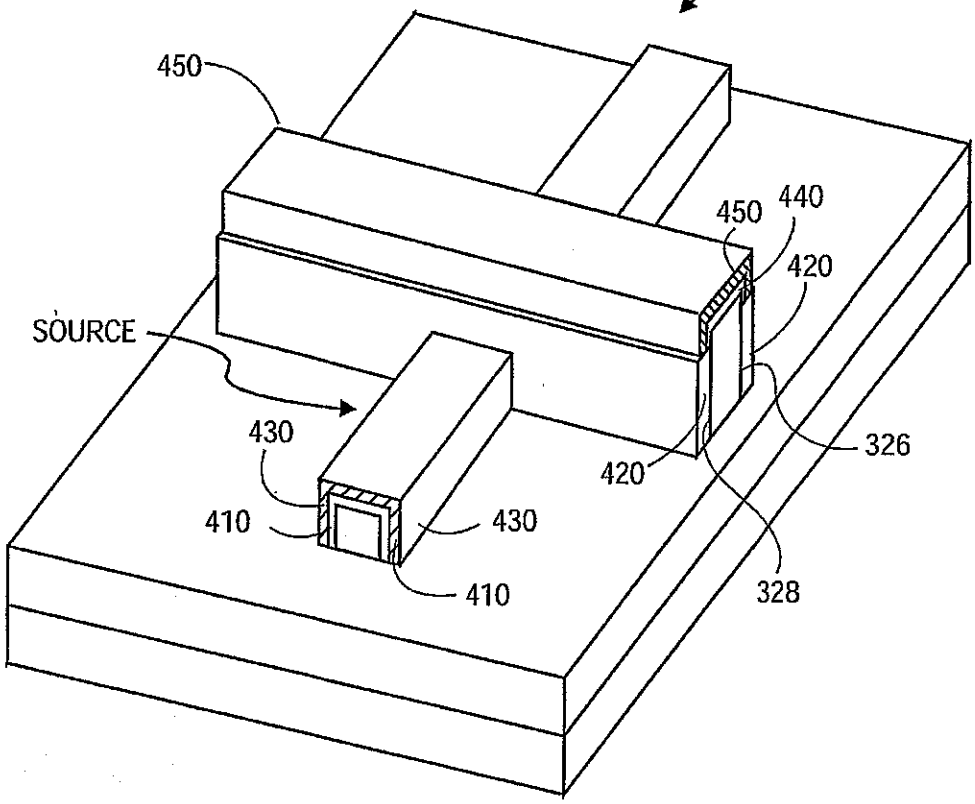

Tri-Gate
DRAIN
450
450
440
420
SOURCE
430
326
420
410
430
328
410

FIG. 4A

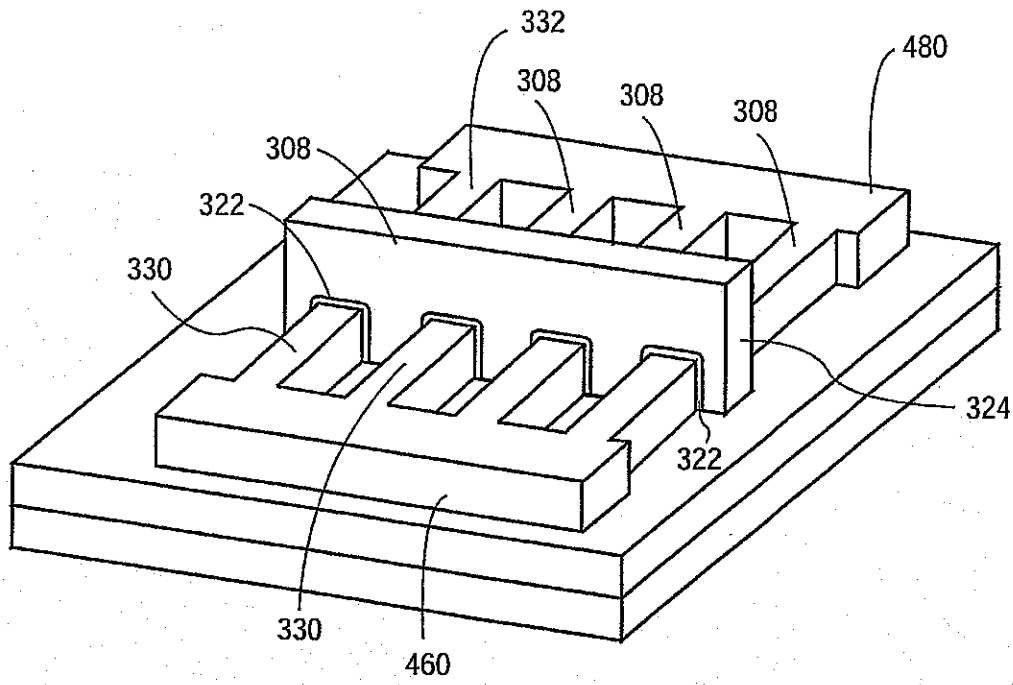

332
480
308
308
308
308
322
330
324
322
330
460

FIG. 4B

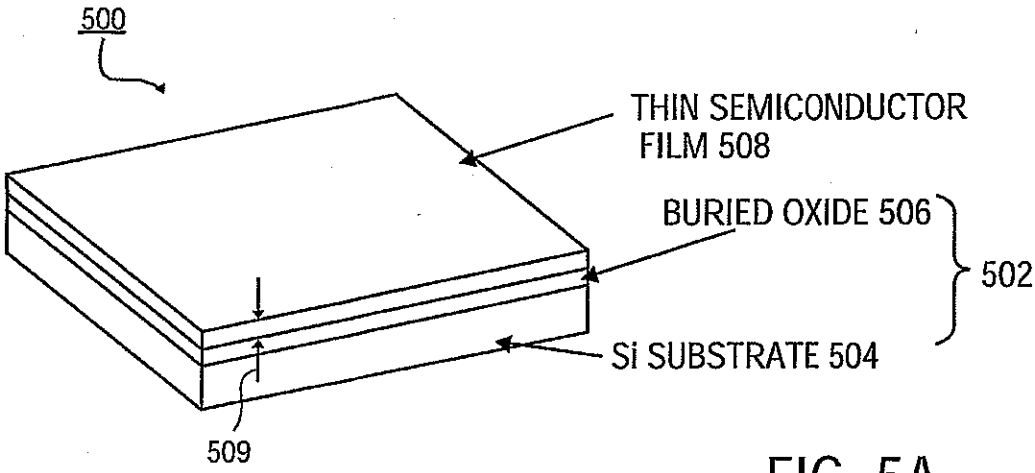


FIG. 5A

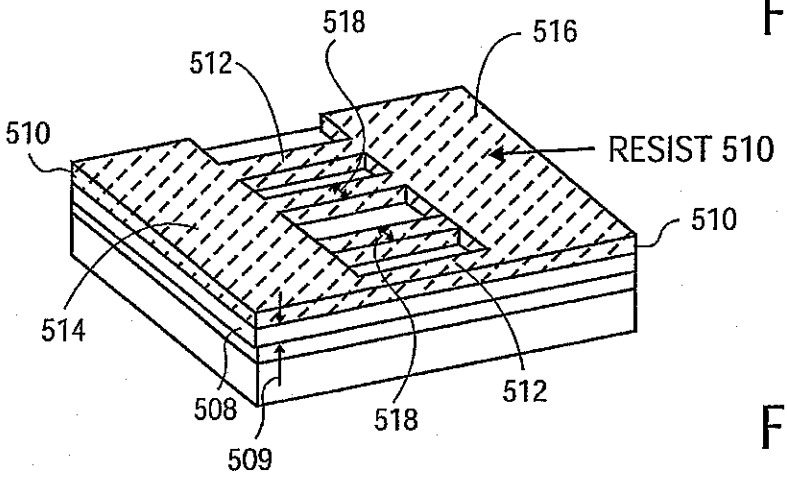


FIG. 5B

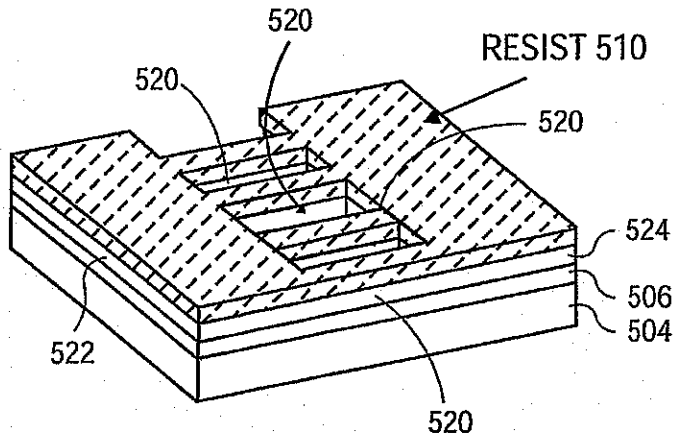


FIG. 5C

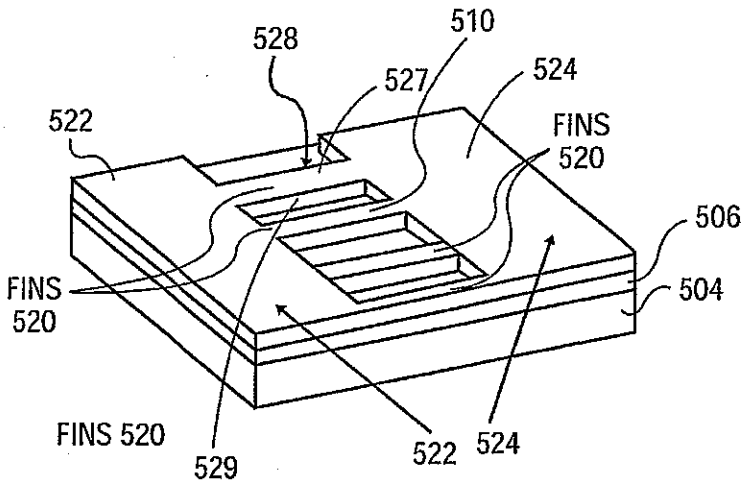

528
510
527
524
522
FINS
520
506
FINS
520
504
FINS 520
529
522
524

FIG. 5D

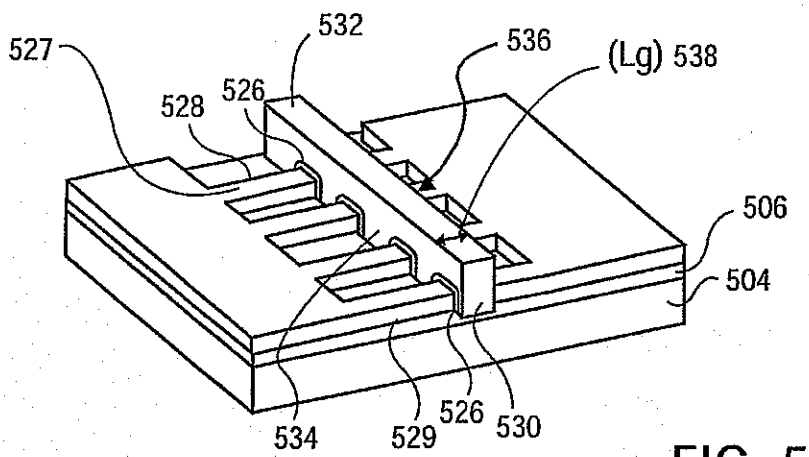

527
532
536
(Lg) 538
528
526
506
504
534
529
526
530

FIG. 5E

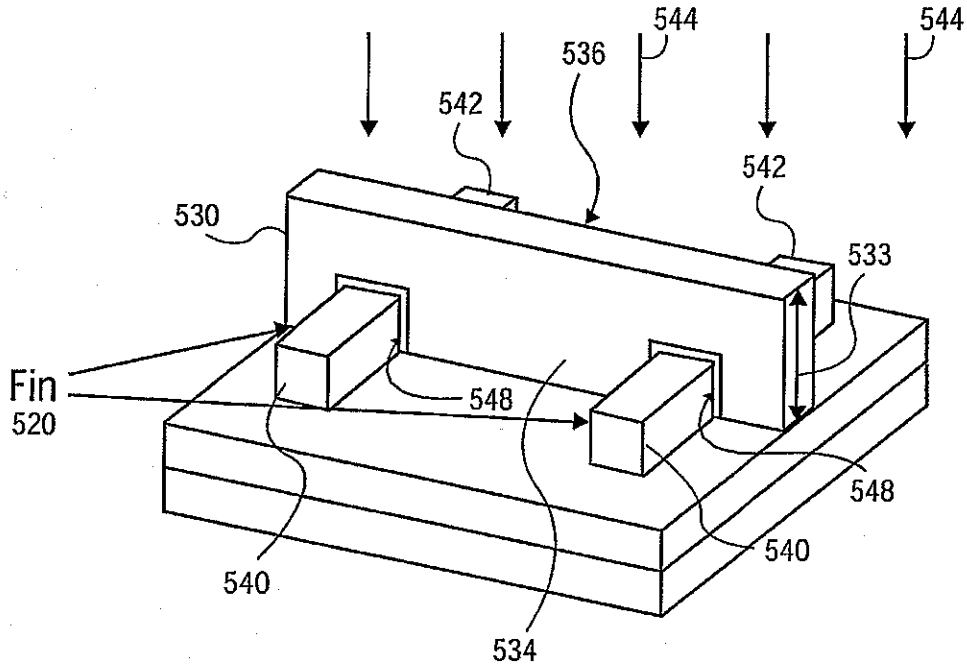

544
544
536
542
542
530
533
Fin
520
548
548
540
540
534

FIG. 5F

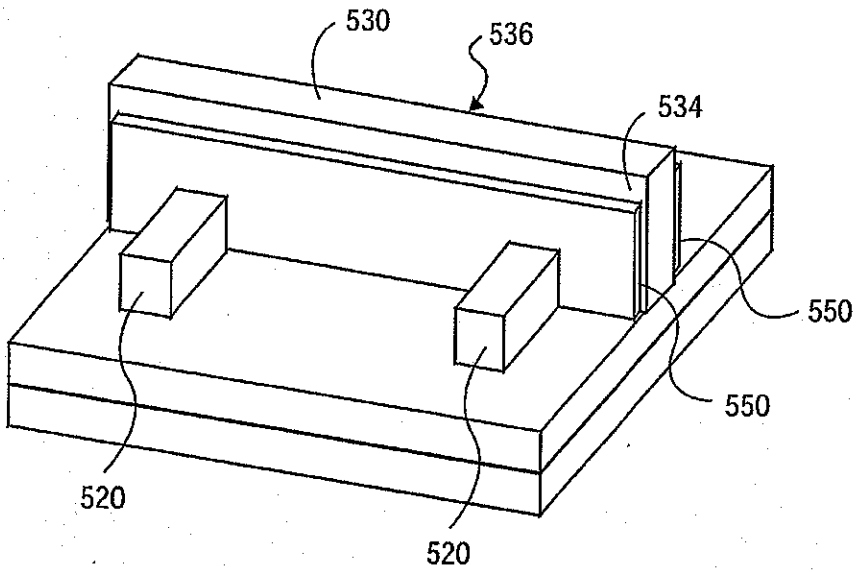

530
536
534
550
550
520
520

FIG. 5G

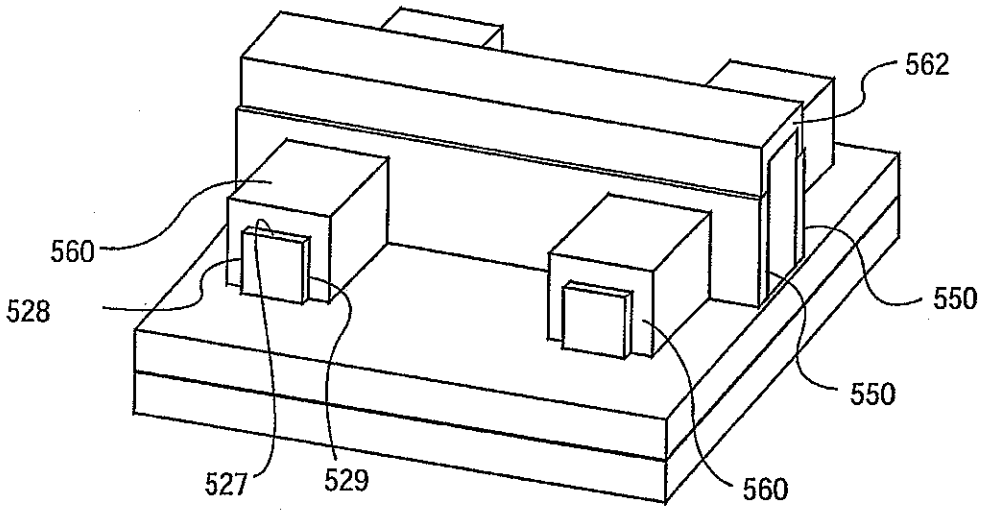


FIG. 5H

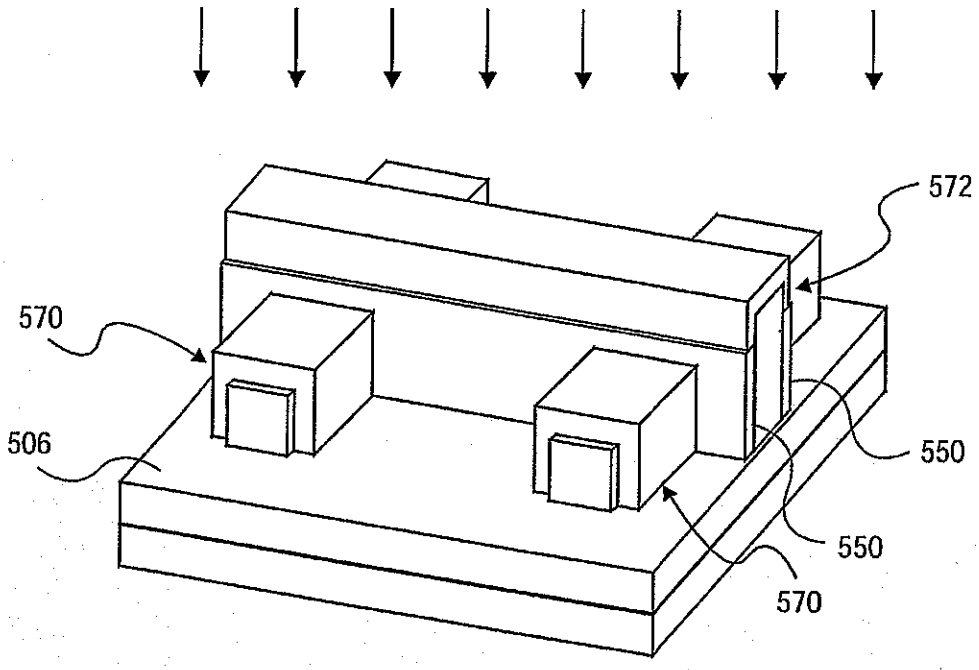


FIG. 5I

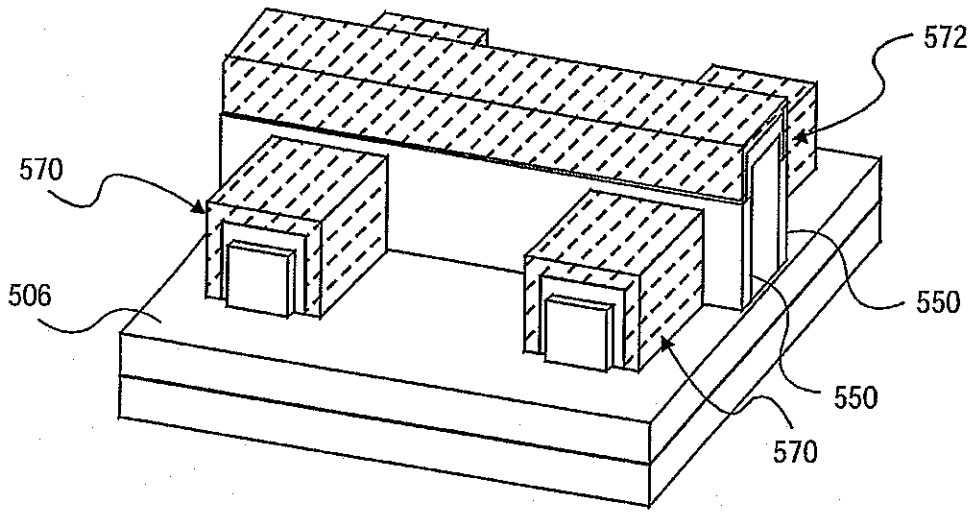


FIG. 5J

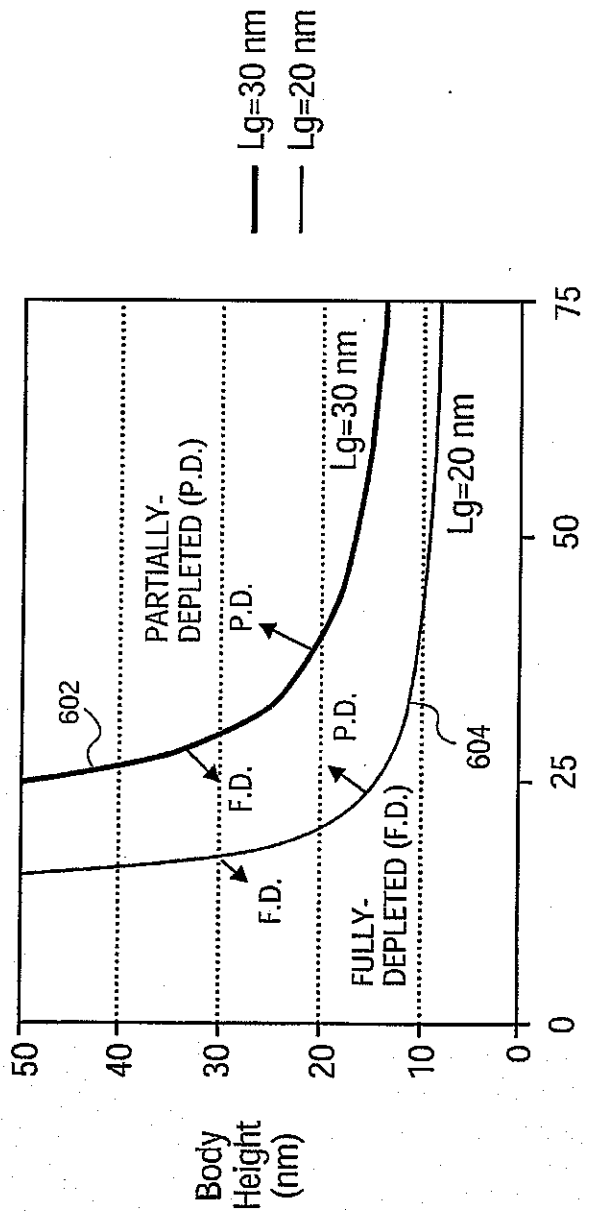

Lg=30 nm
Lg=20 nm
PARTIALLY-DEPLETED (P.D.)
FULLY-DEPLETED (F.D.)
P.D.
F.D.
602
604
Body Height (nm)
Body Width (nm)
0
10
20
30
40
50
0
25
50
75

FIG. 6