20 NOV 2006

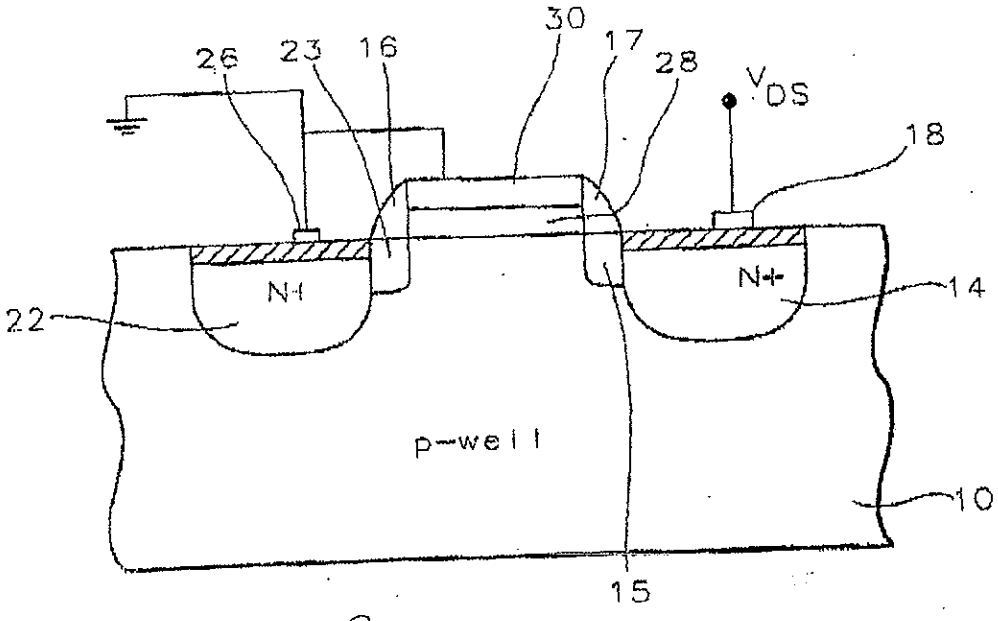


FIG. 1 Prior Art

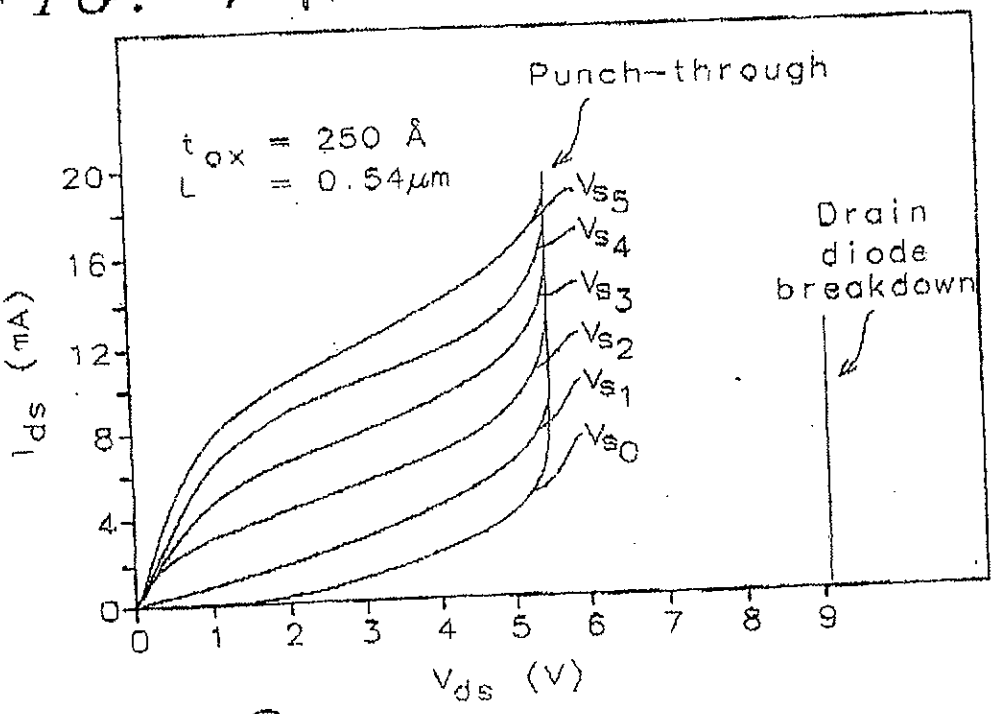


FIG. 2

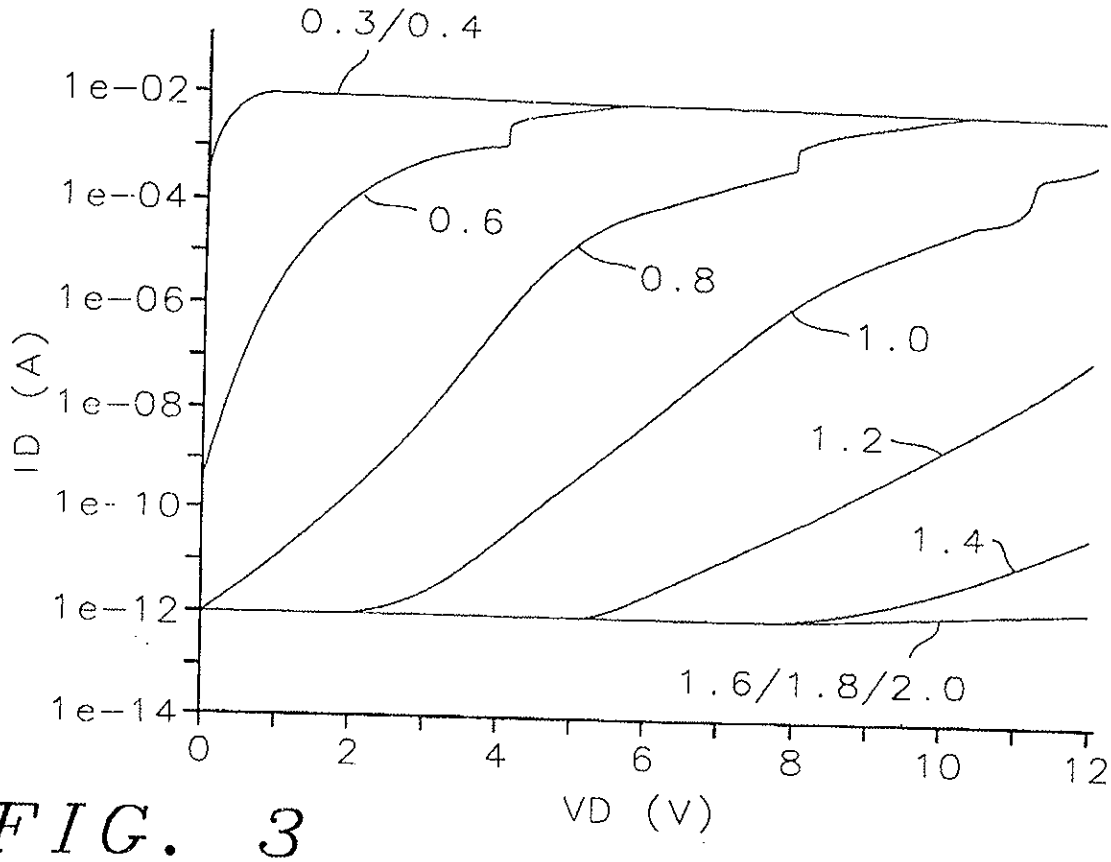

0.3/0.4
0.6
0.8
1.0
1.2
1.4
1.6/1.8/2.0
1e-02
1e-04
1e-06
1e-08
1e-10
1e-12
1e-14
ID (A)
0
2
4
6
8
10
12
VD (V)

FIG. 3

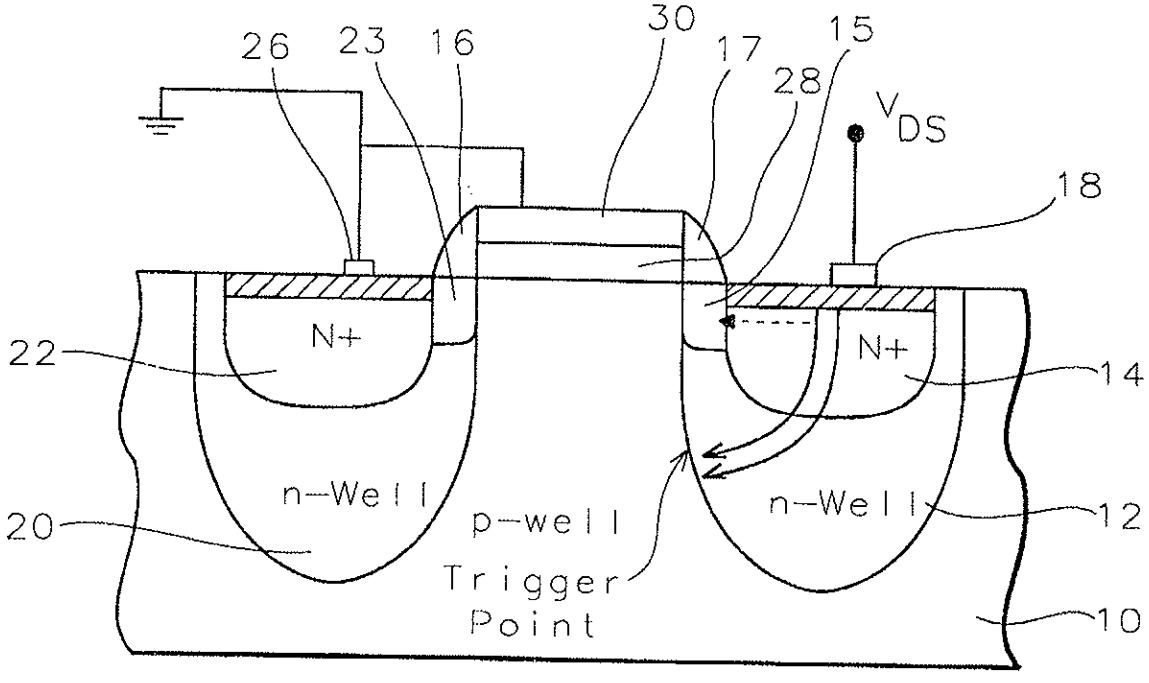

26
23
16
30
17
28
15
VDS
18
N+
N+
22
14
n-Well
n-Well
20
12
p-well
Trigger
Point
10

FIG. 4

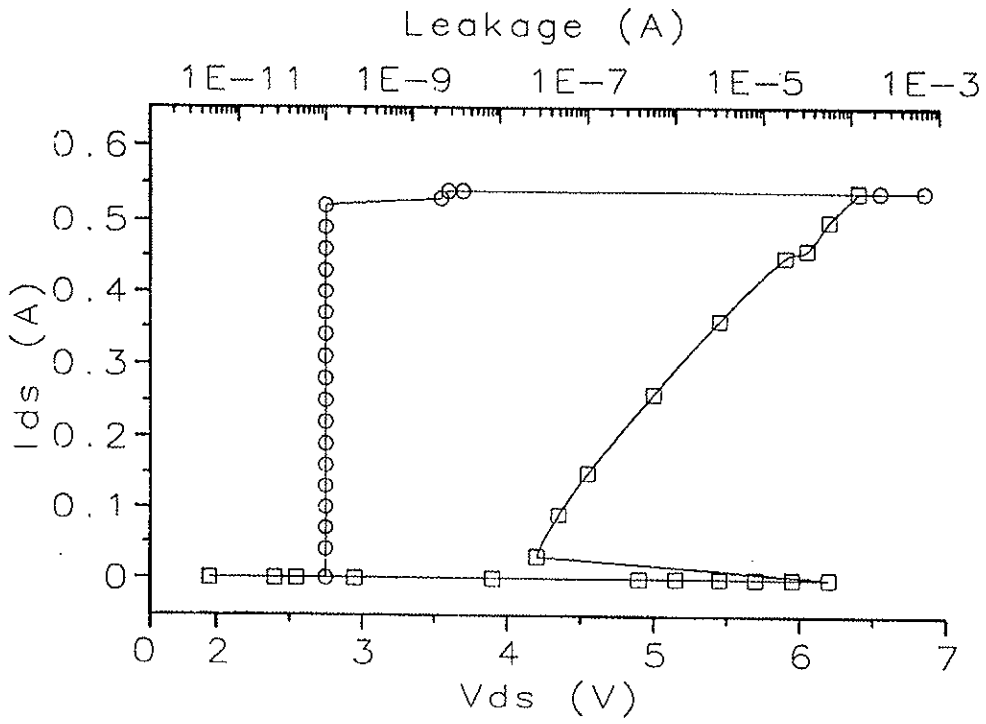

Leakage (A)
1E-11
1E-9
1E-7
1E-5
1E-3
0.6
0.5
0.4
0.3
0.2
0.1
0
Ids (A)
0
2
3
4
5
6
7
Vds (V)

FIG. 5

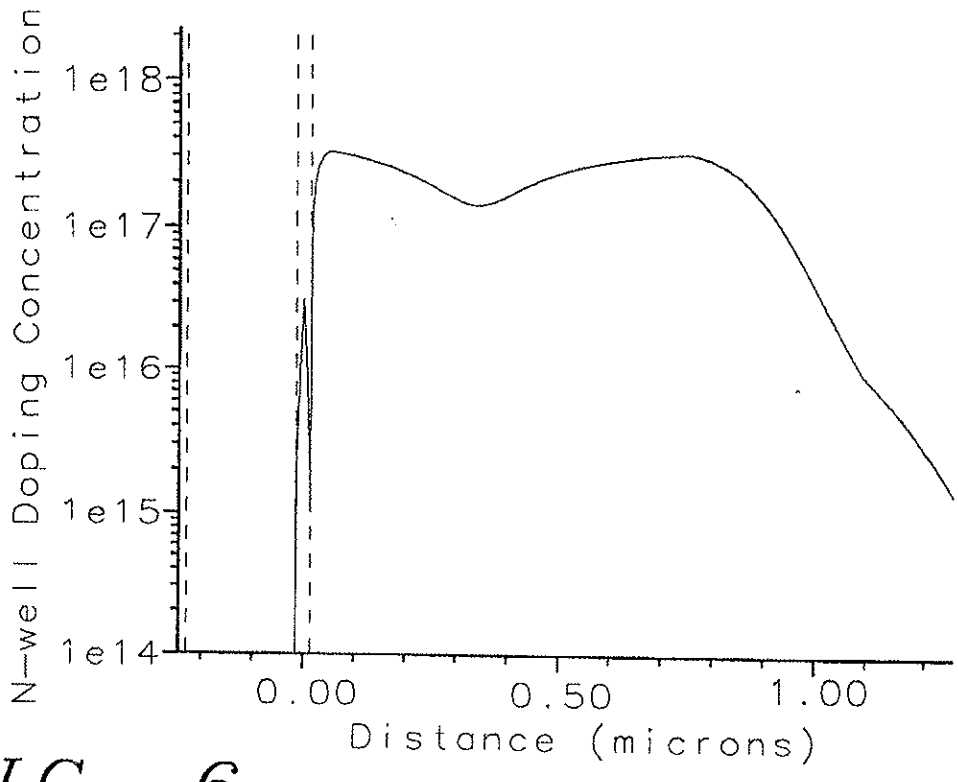

N-well Doping Concentration
1e18
1e17
1e16
1e15
1e14
0.00
0.50
1.00
Distance (microns)

FIG. 6

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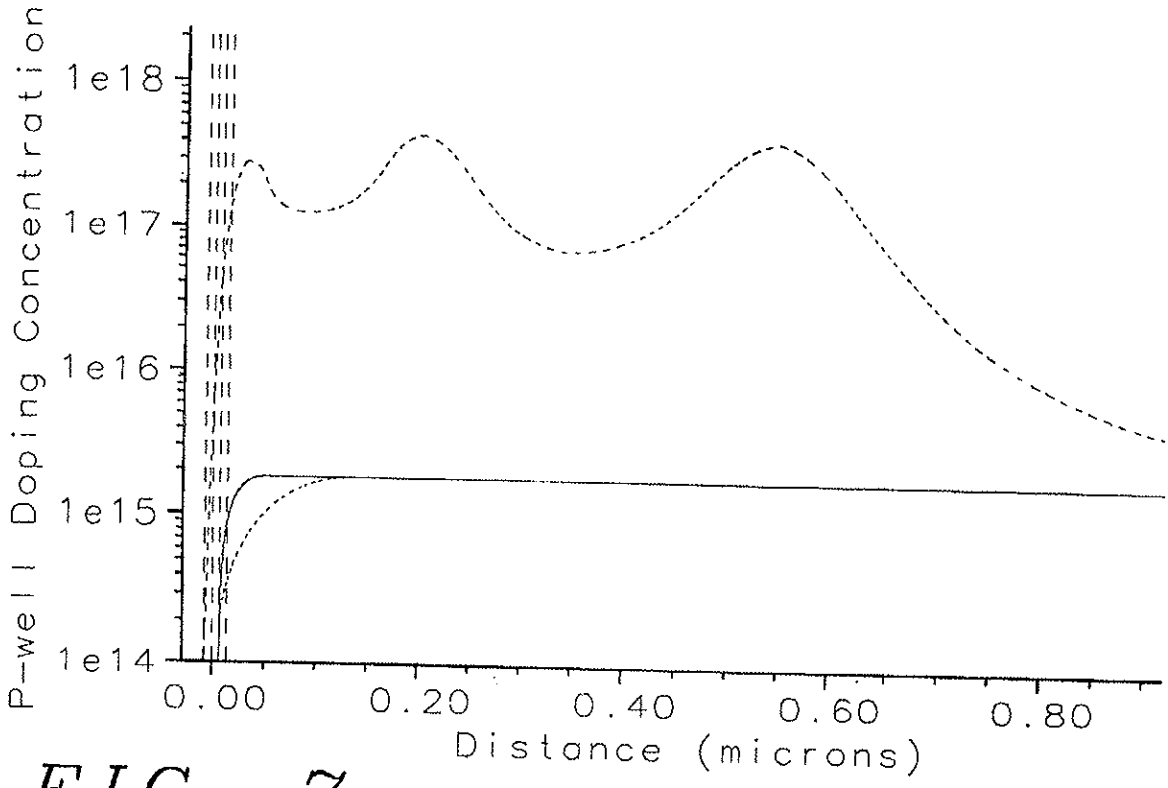


FIG. 7