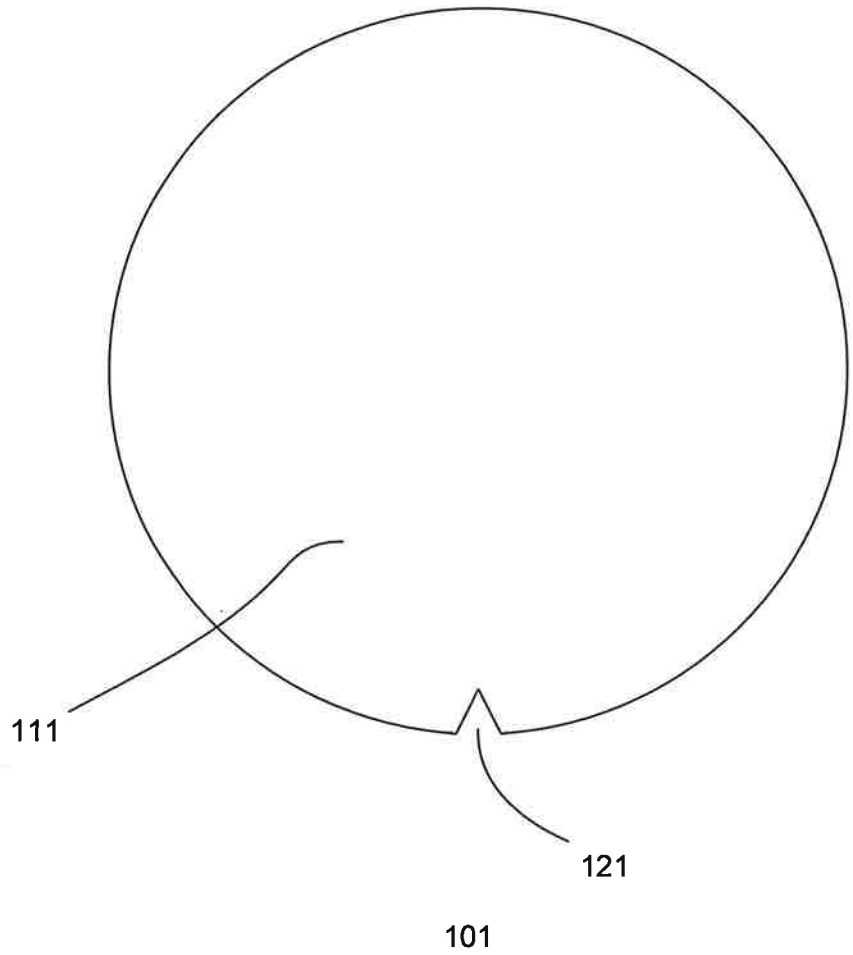


Fig. 1

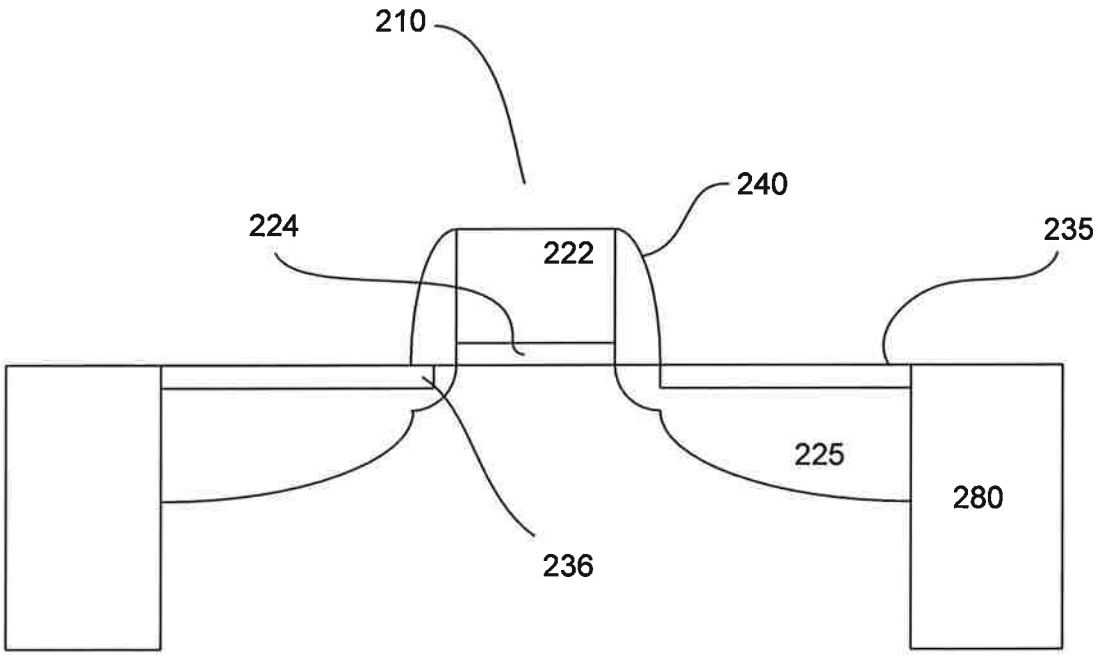


Fig. 2

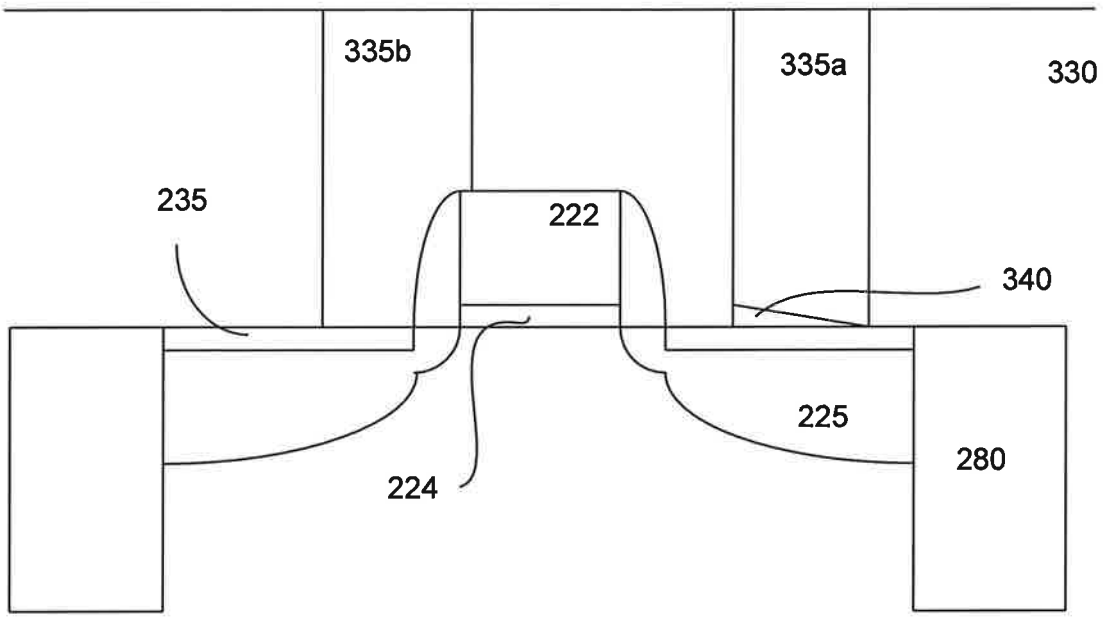


Fig. 3

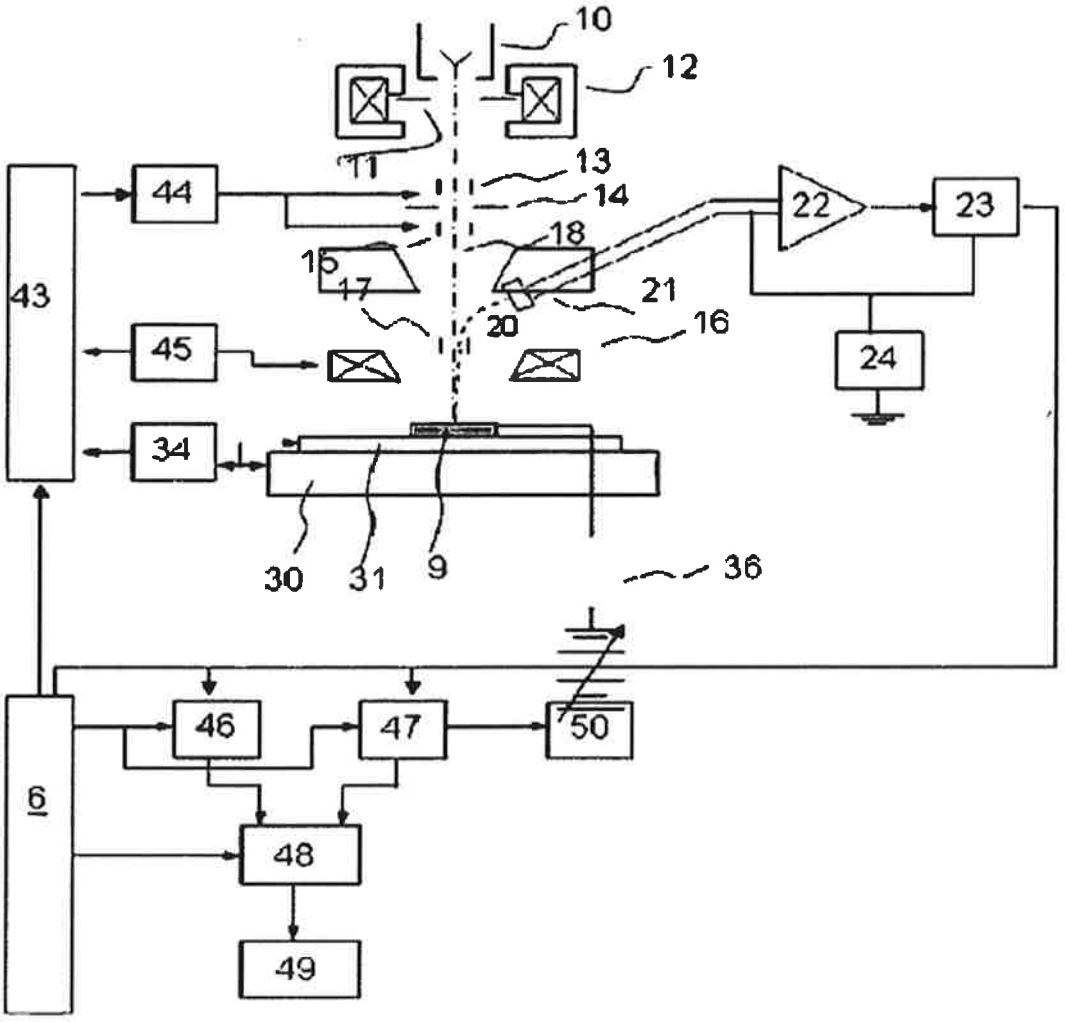
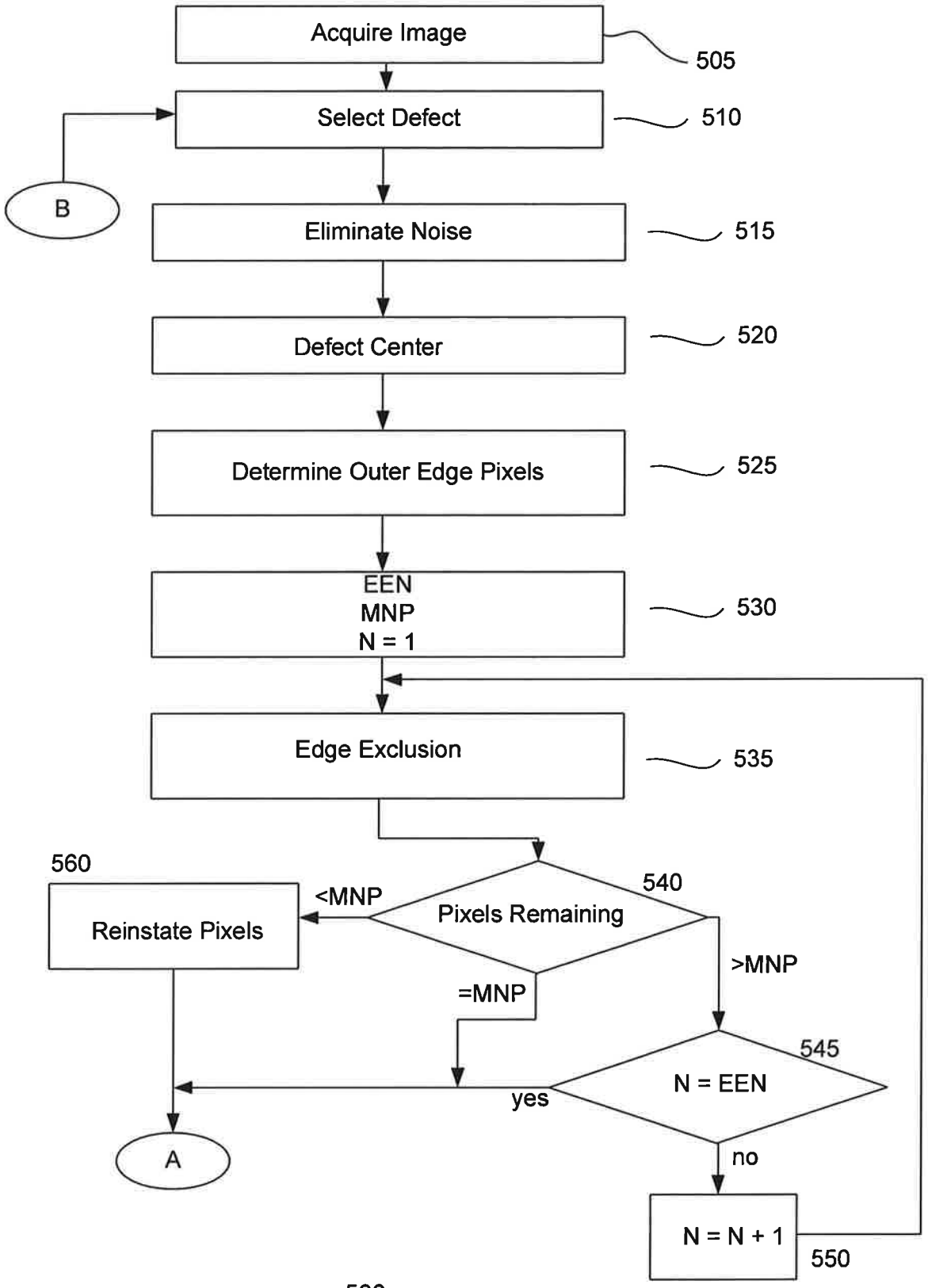
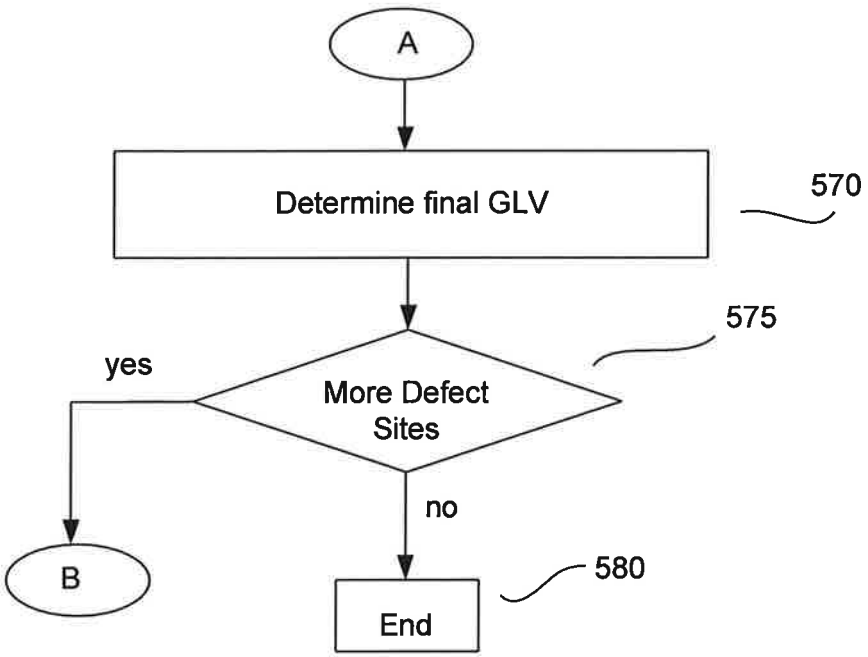

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Fig. 4


Acquire Image
505
Select Defect
510
B
Eliminate Noise
515
Defect Center
520
Determine Outer Edge Pixels
525
EEN
MNP
N = 1
530
Edge Exclusion
535
560
Reinstate Pixels
<MNP
Pixels Remaining
540
>MNP
=MNP
545
N = EEN
yes
no
A
N = N + 1
550

500

Fig. 5a


A
Determine final GLV
570
575
yes
More Defect Sites
no
B
580
End

500

Fig. 5b

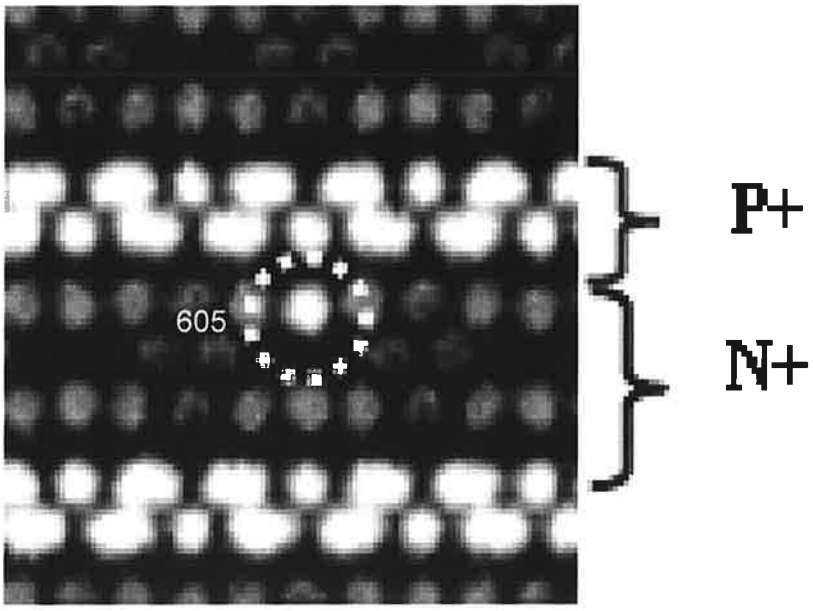


Fig. 6

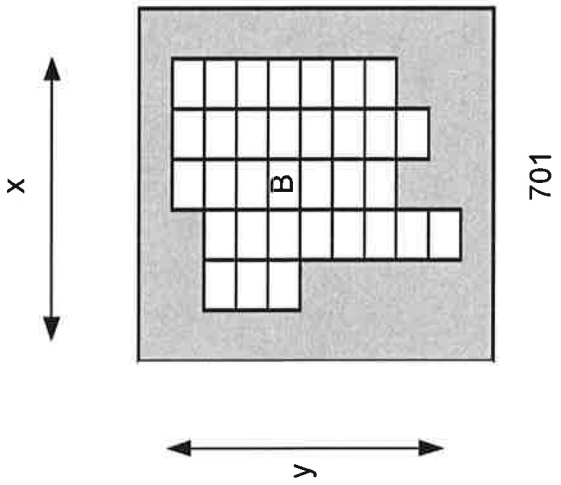


Fig. 7b

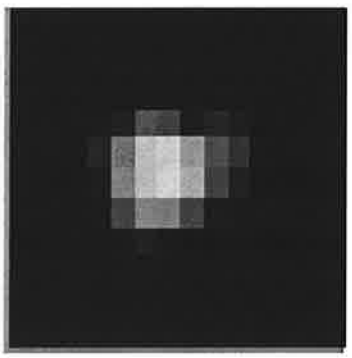


Fig. 7a

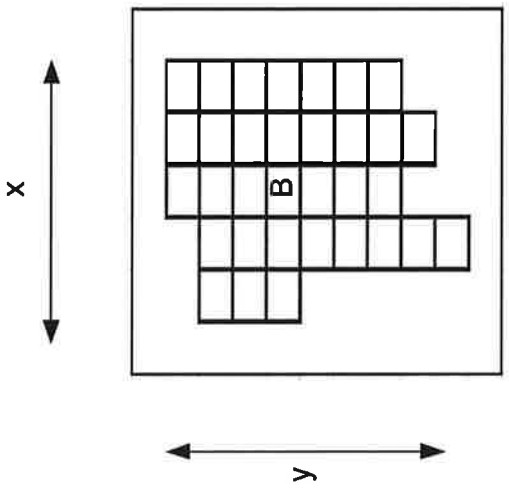


Fig. 8b



Fig. 8a

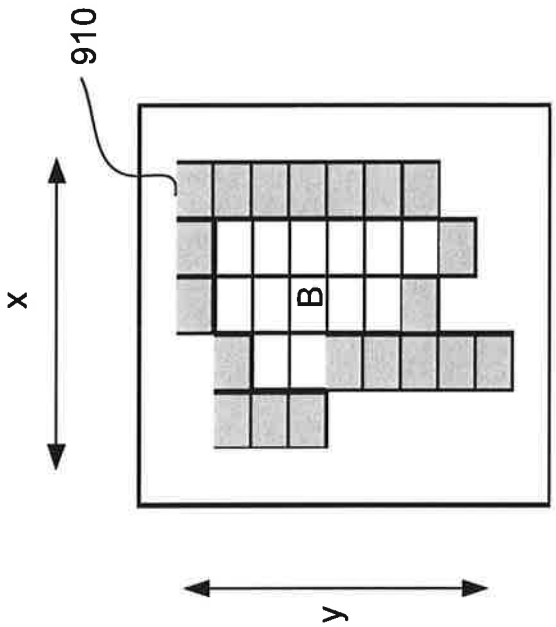


Fig. 9b



Fig. 9a

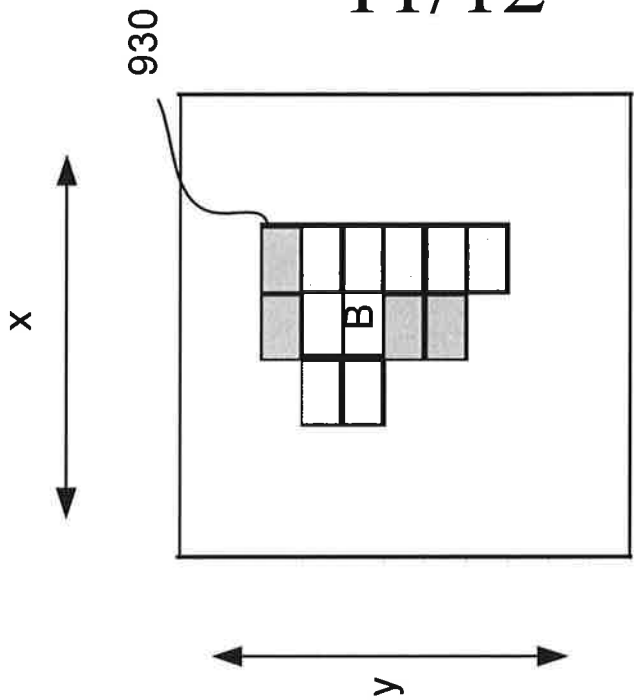


Fig. 10b



Fig. 10a

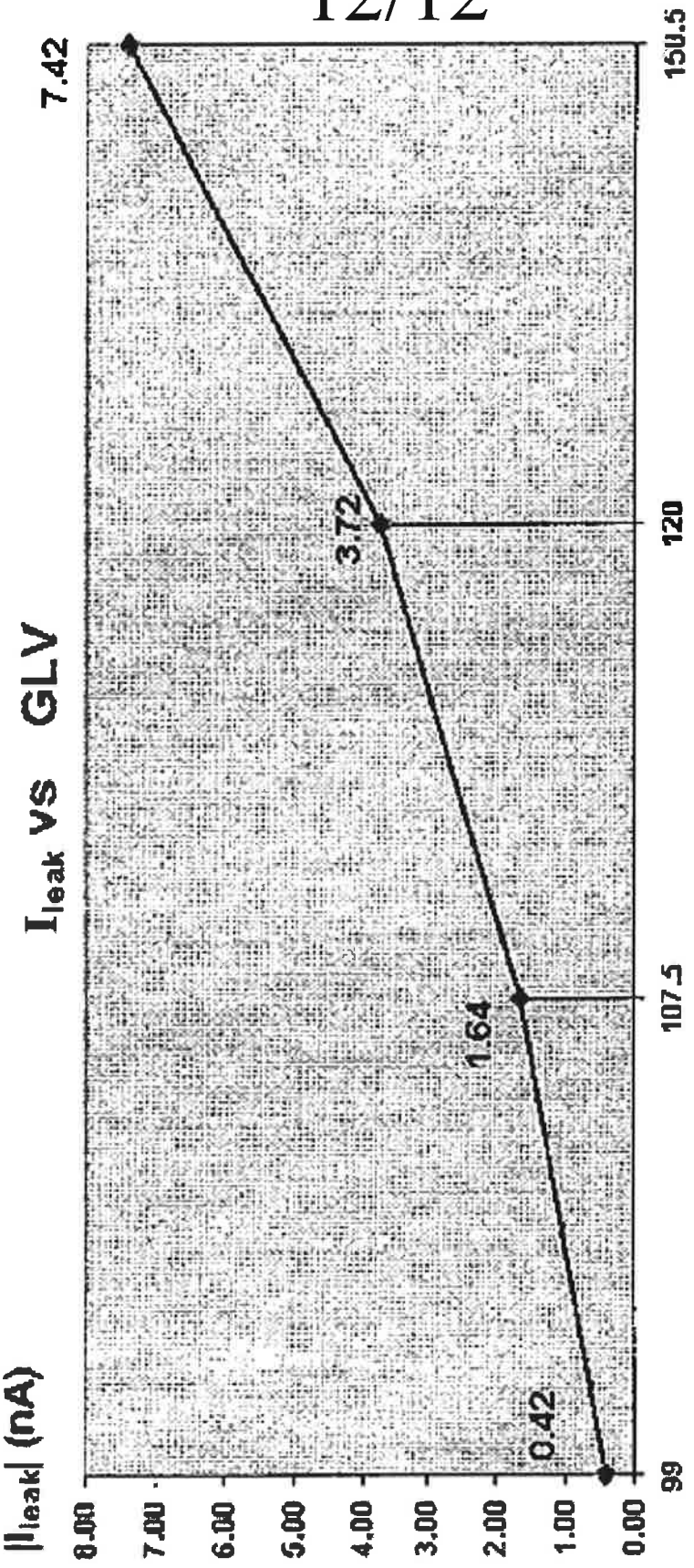

I_{leak} VS GLV
$|I_{leak}|$ (nA)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
7.42
3.72
1.64
0.42
99
107.5
120
150.5
1000

Fig. 11