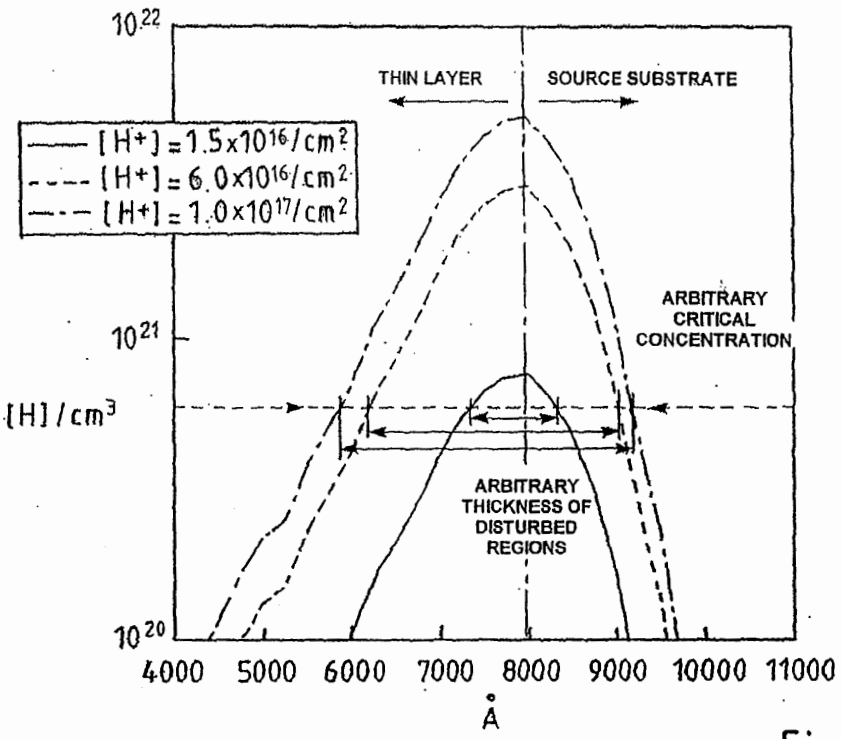

10^{22}
THIN LAYER
SOURCE SUBSTRATE
[H+] = 1.5x10^16/cm^2
[H+] = 6.0x10^16/cm^2
[H+] = 1.0x10^17/cm^2
ARBITRARY CRITICAL CONCENTRATION
10^{21}
[H] / cm^3
ARBITRARY THICKNESS OF DISTURBED REGIONS
10^{20}
4000 5000 6000 7000 8000 9000 10000 11000
Å

Fig.1

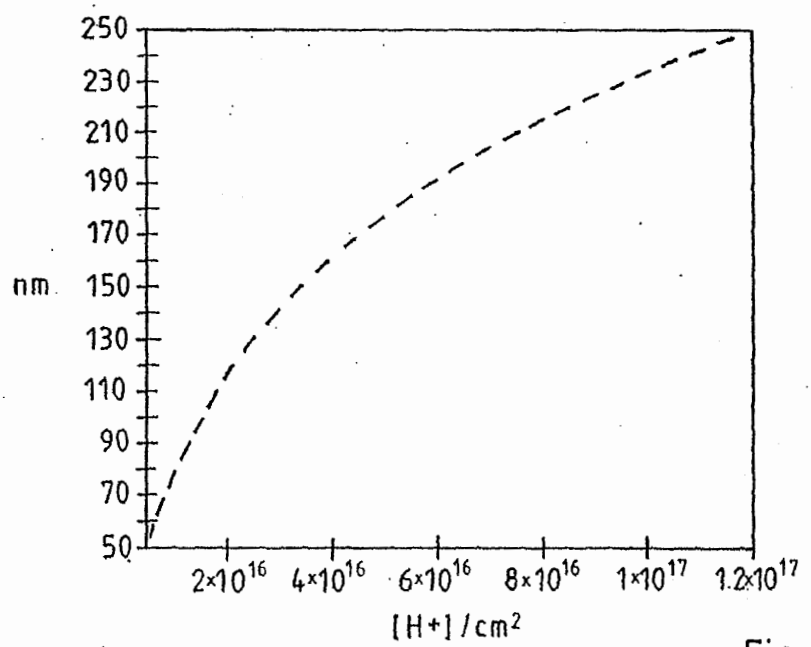

250
230
210
190
170
nm 150
130
110
90
70
50
2×10^16 4×10^16 6×10^16 8×10^16 1×10^17 1.2×10^17
[H+] / cm^2

Fig. 2

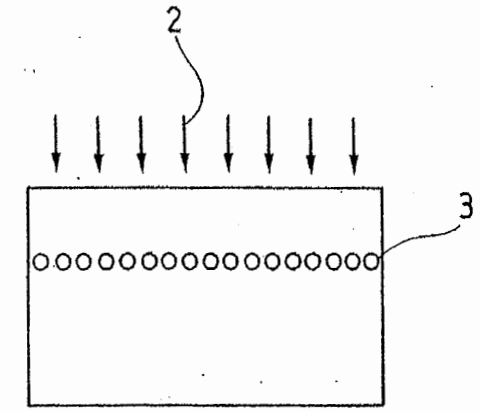


Fig. 3a

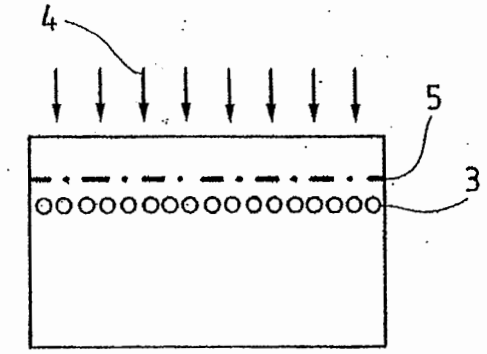


Fig. 3b

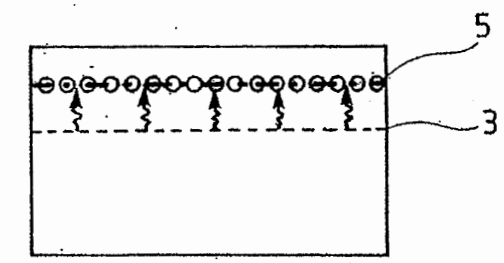


Fig. 3c

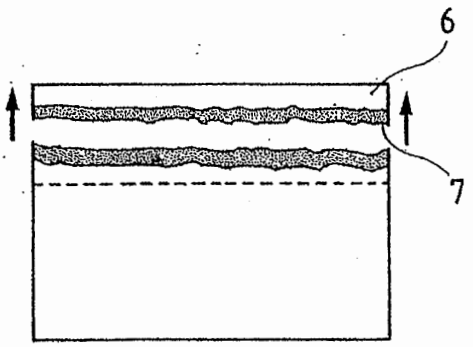


Fig. 3d

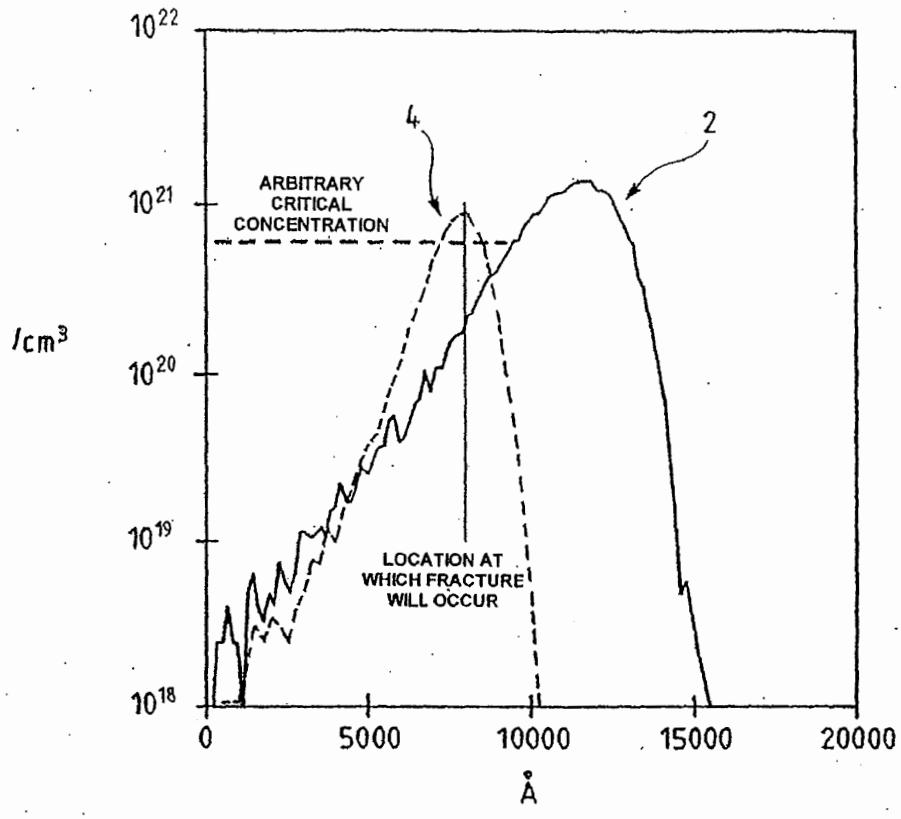

10^{22}
10^{21}
10^{20}
10^{19}
10^{18}
/cm³
4
2
ARBITRARY
CRITICAL
CONCENTRATION
LOCATION AT
WHICH FRACTURE
WILL OCCUR
0
5000
10000
15000
20000
Å

Fig. 4