Fig. 1:

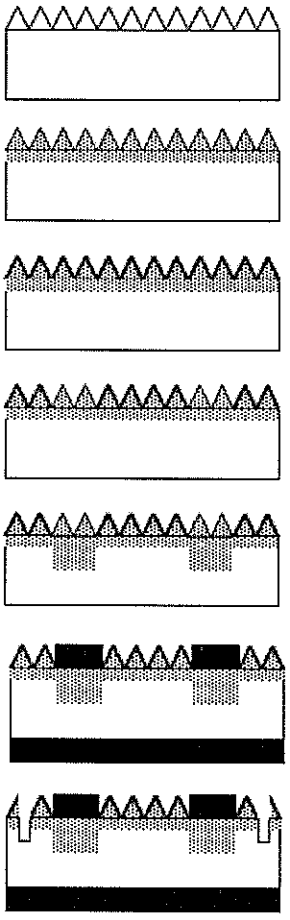


Fig. 2:

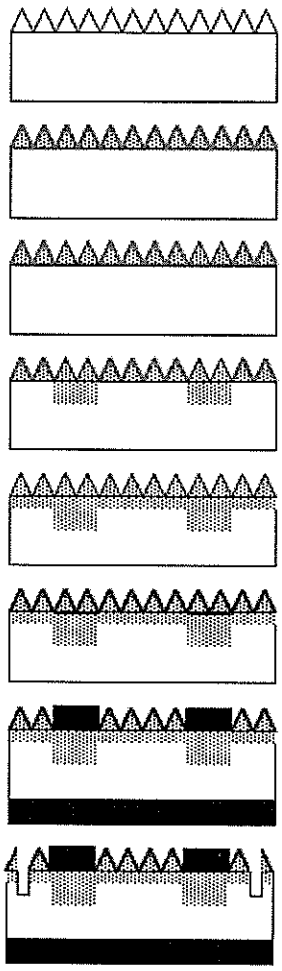


Fig. 3:

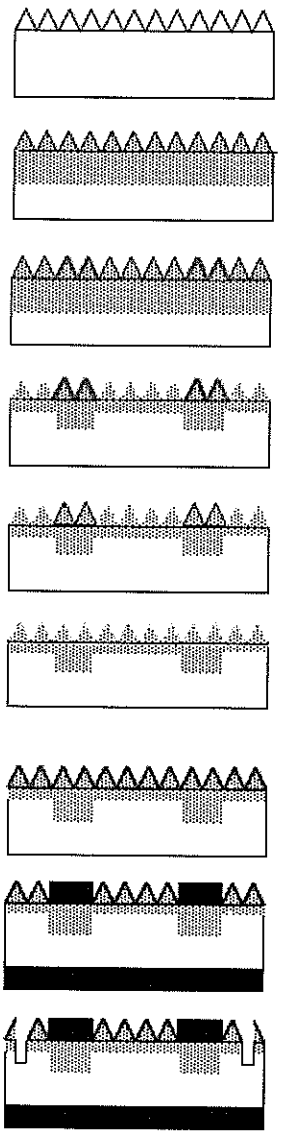


Fig. 4:

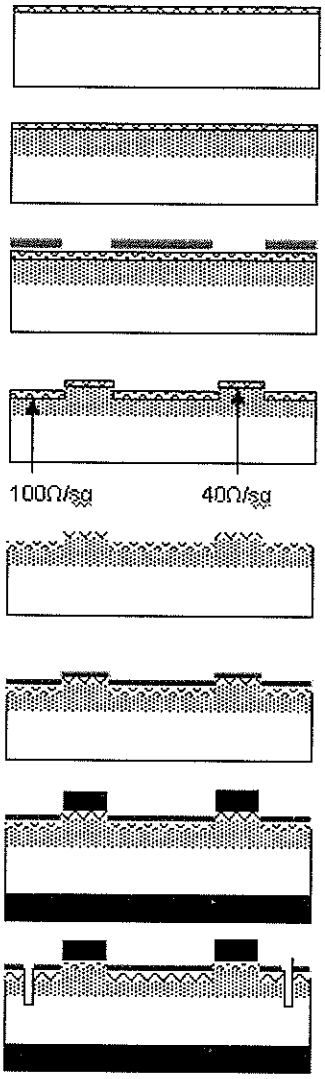


Fig. 5:

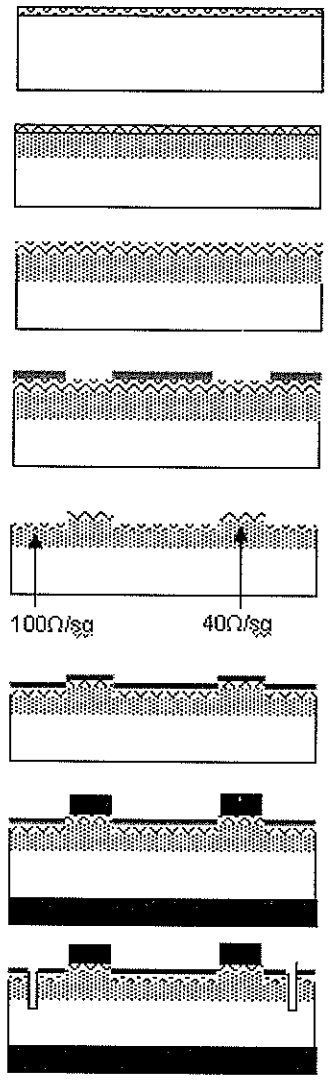


Fig. 6:

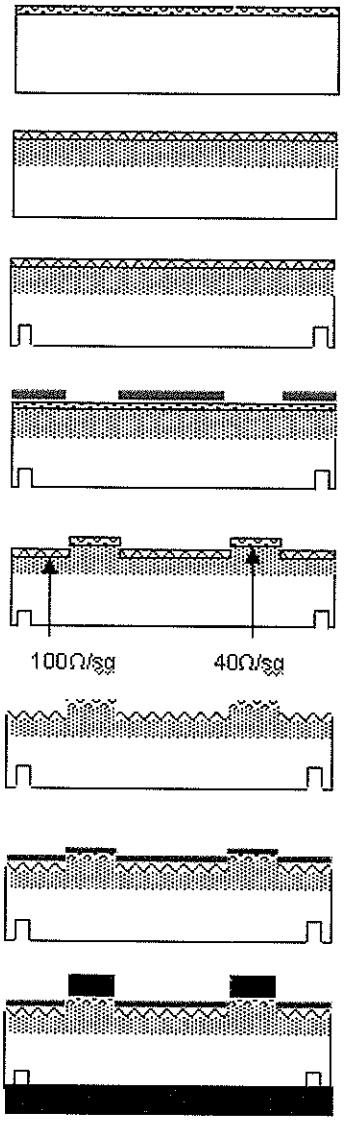


Fig. 7:

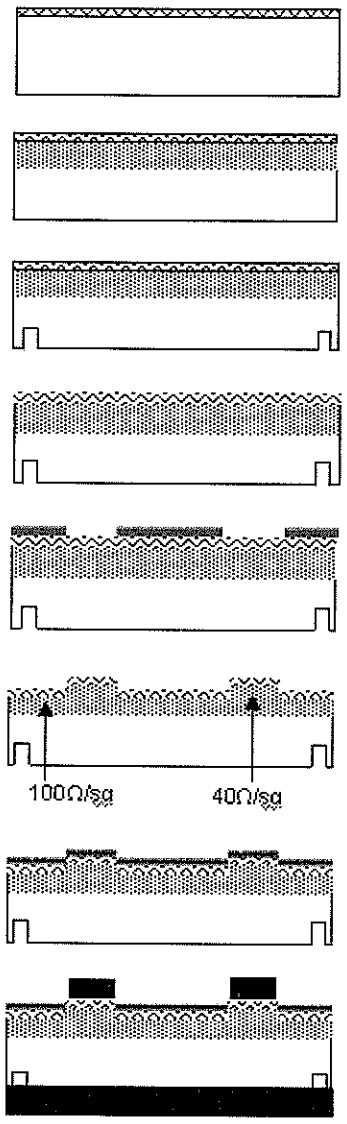
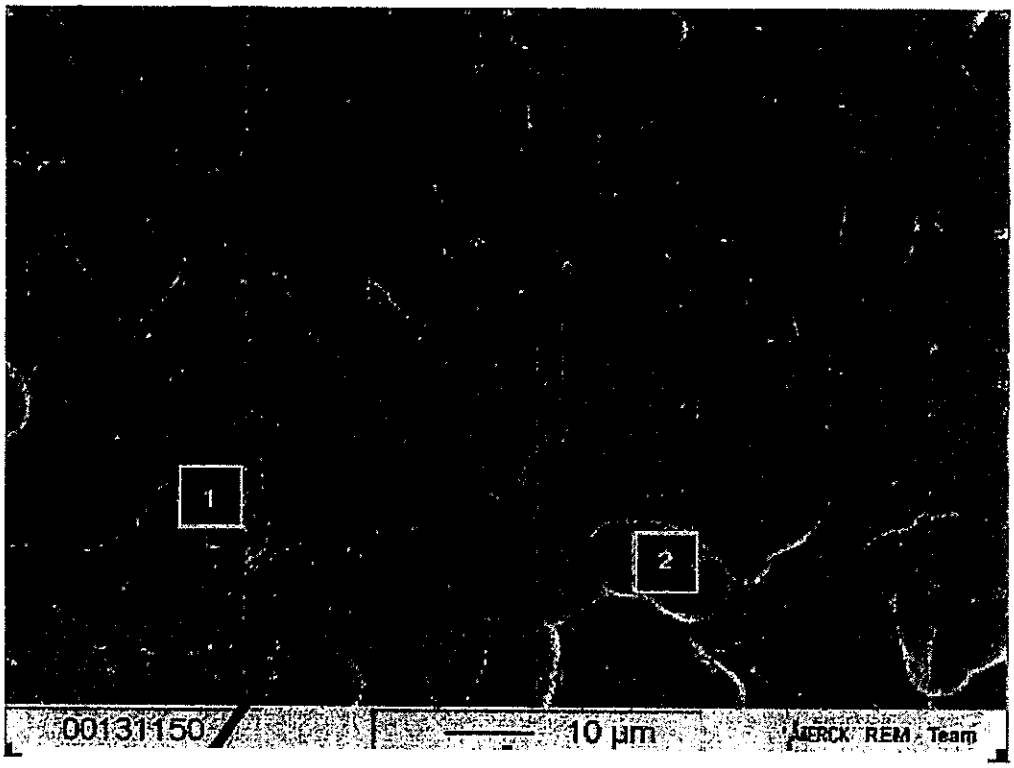


Fig. 8:



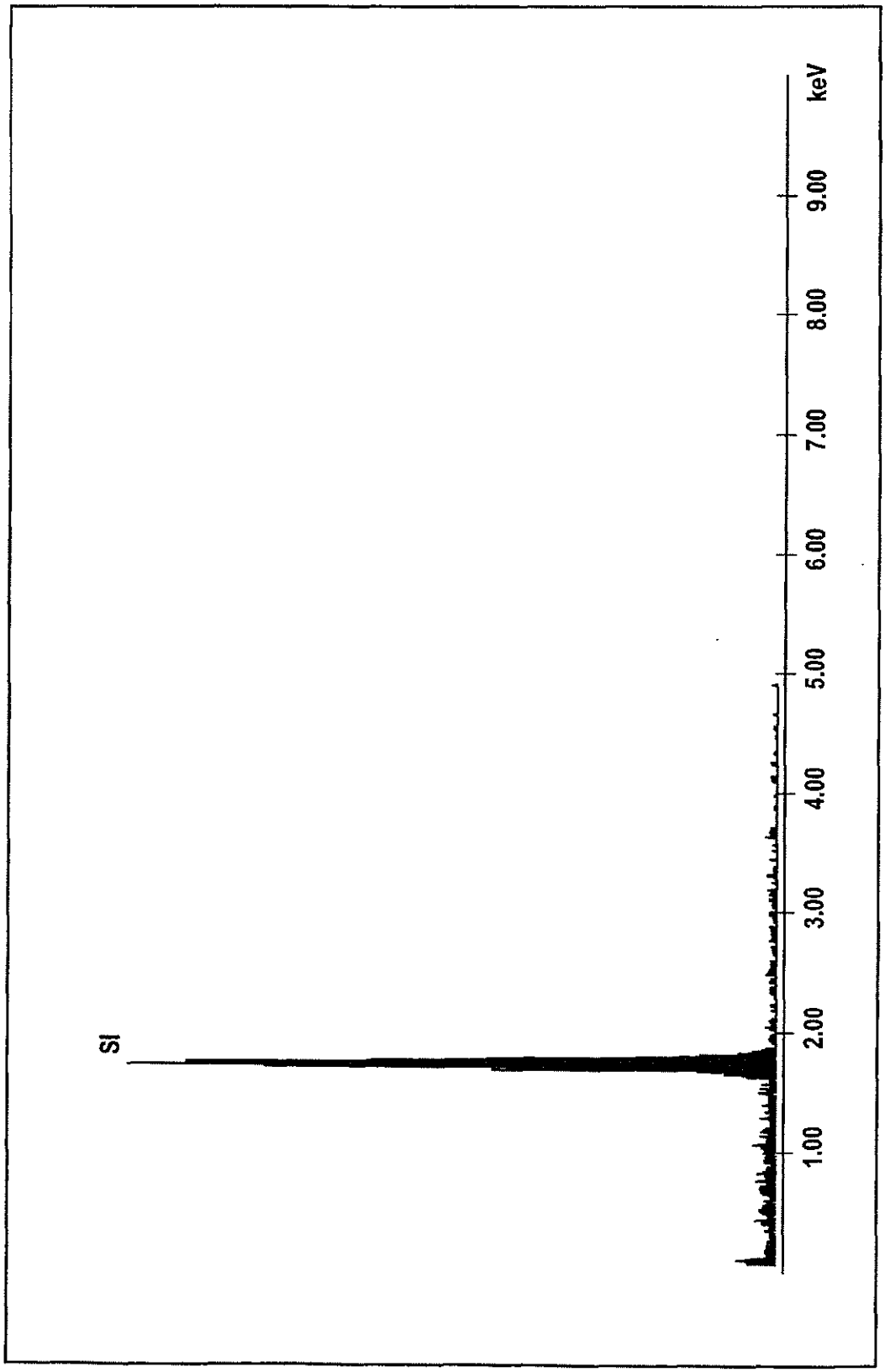


Fig. 9

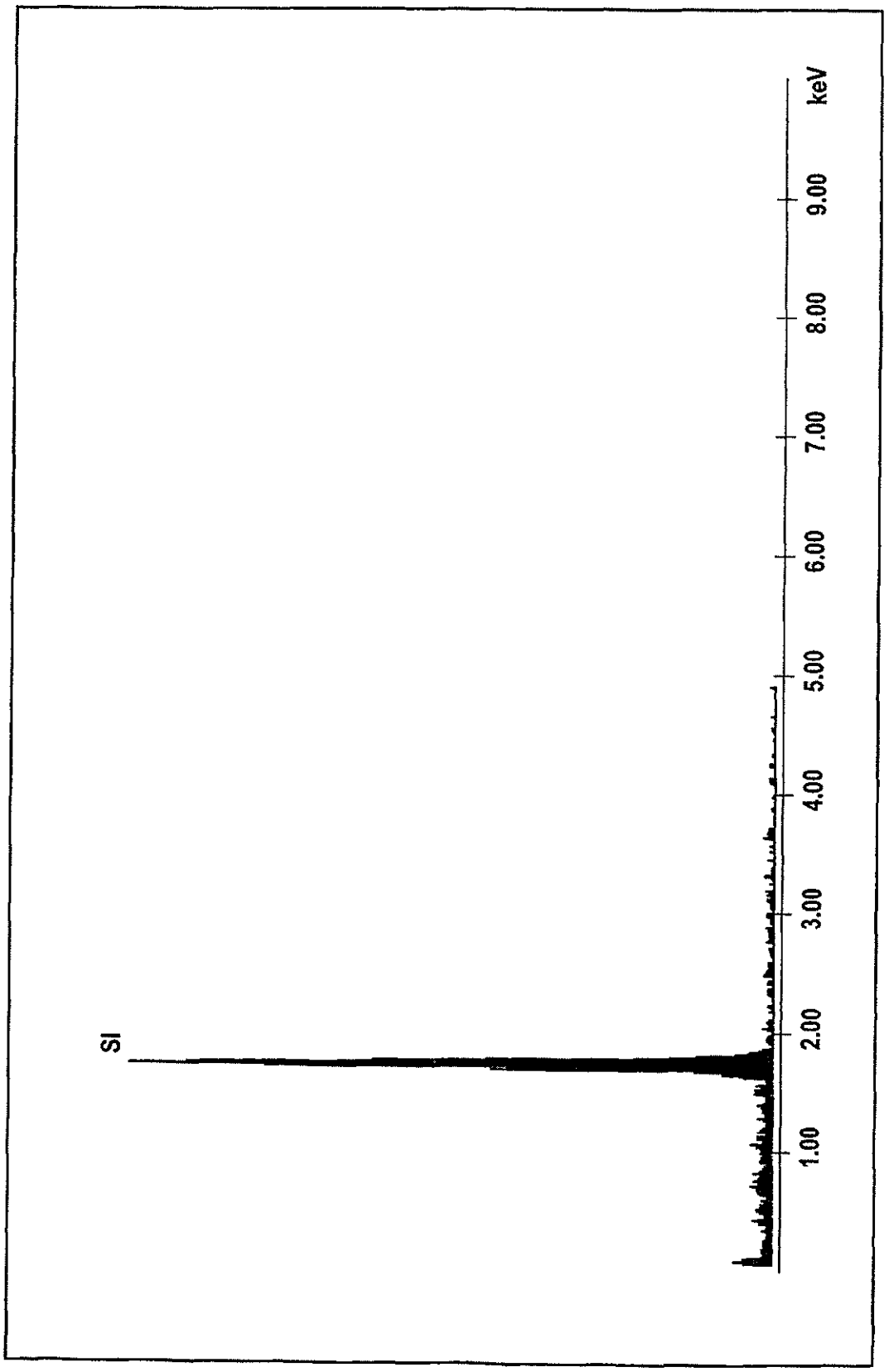


Fig. 10

Fig. 11:

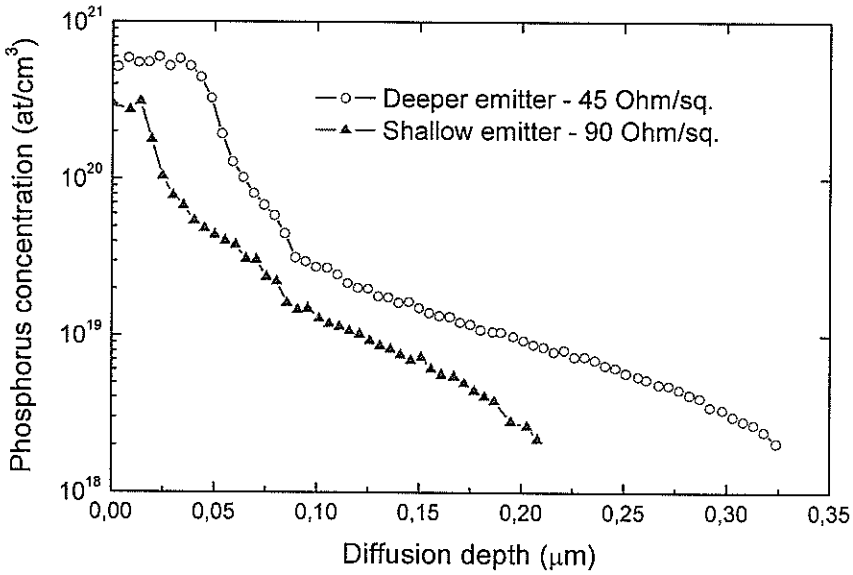

Phosphorus concentration (at/cm^3)
10^{21}
10^{20}
10^{19}
10^{18}
0,00
0,05
0,10
0,15
0,20
0,25
0,30
0,35
Diffusion depth (μm)
Deeper emitter - 45 Ohm/sq.
Shallow emitter - 90 Ohm/sq.

Fig.12:

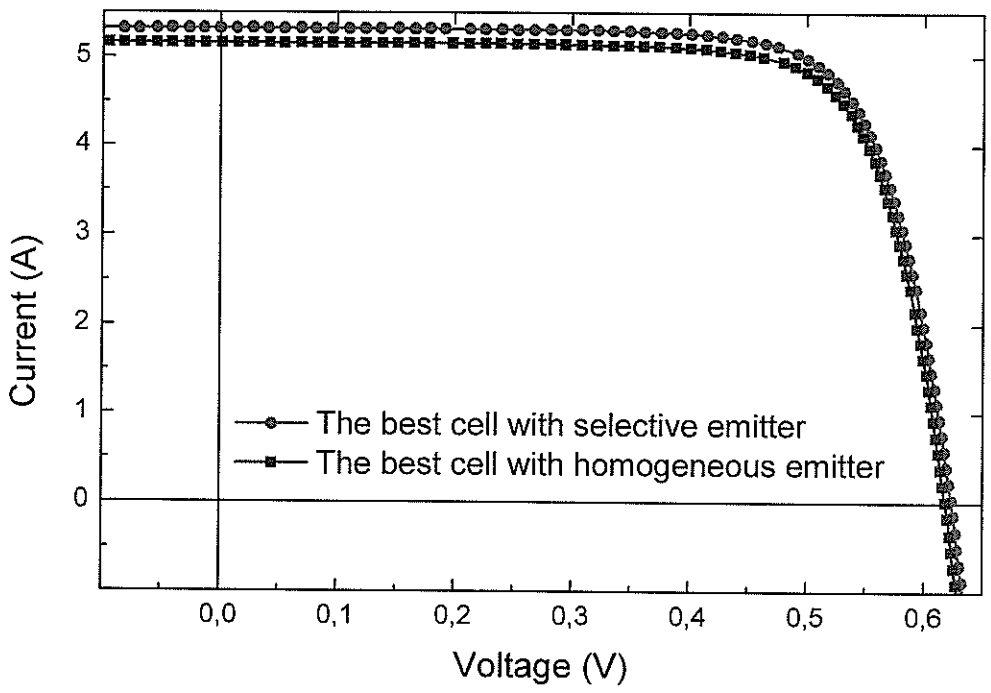
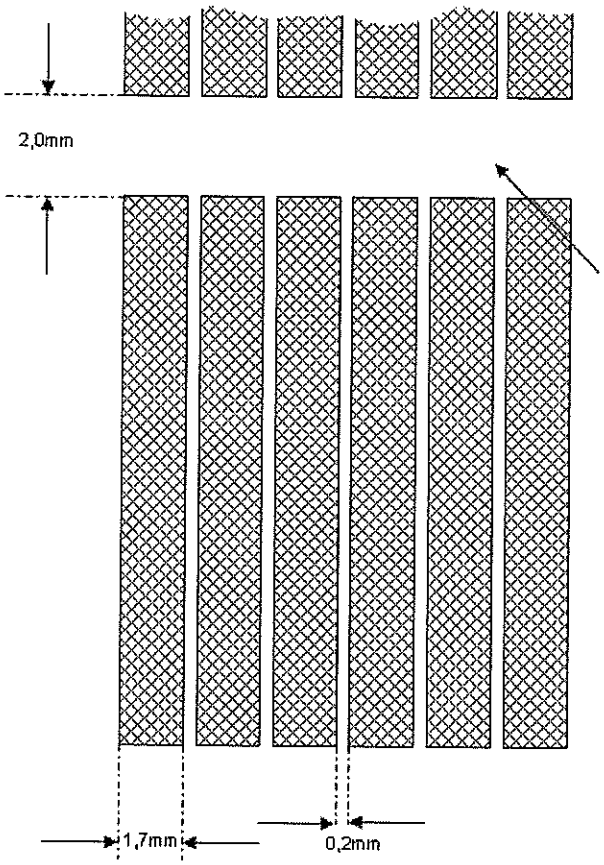

Current (A)
Voltage (V)
0
1
2
3
4
5
0,0
0,1
0,2
0,3
0,4
0,5
0,6
The best cell with selective emitter
The best cell with homogeneous emitter

Fig.13:



Example: Partial section for screen printing

Number of strips about 73, width 1.7 mm
Number of main busbars 2, width 2.0 mm