Abb. 1:

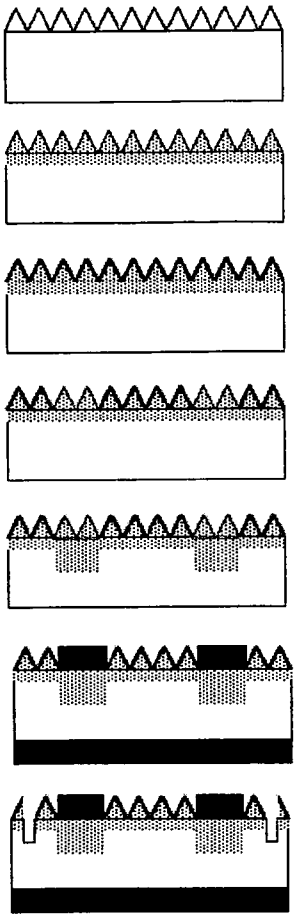


Abb. 2:

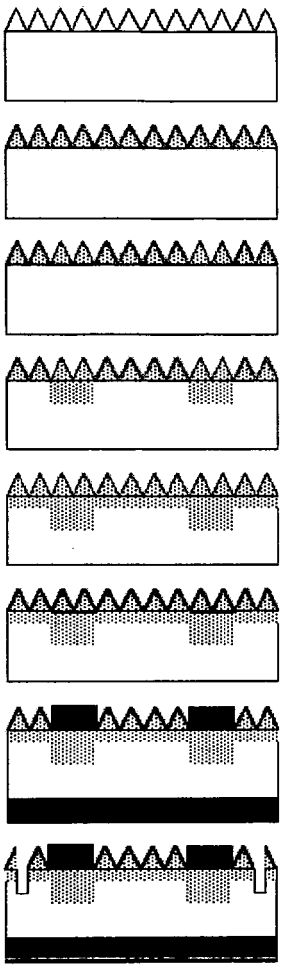


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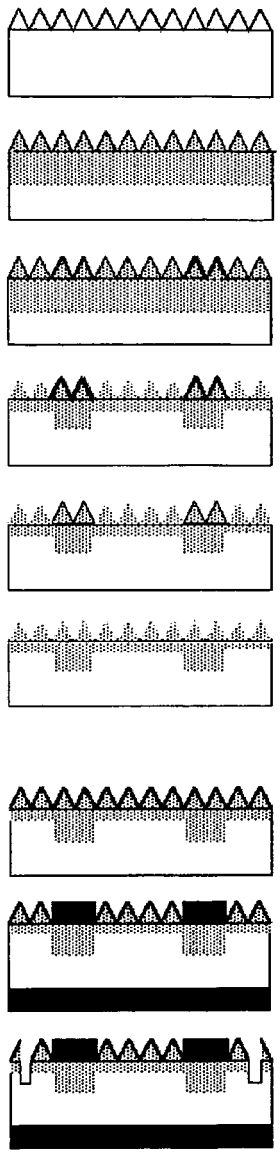


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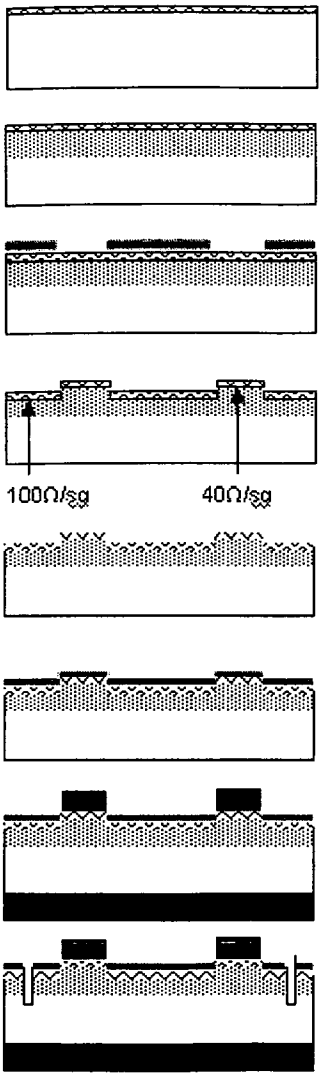


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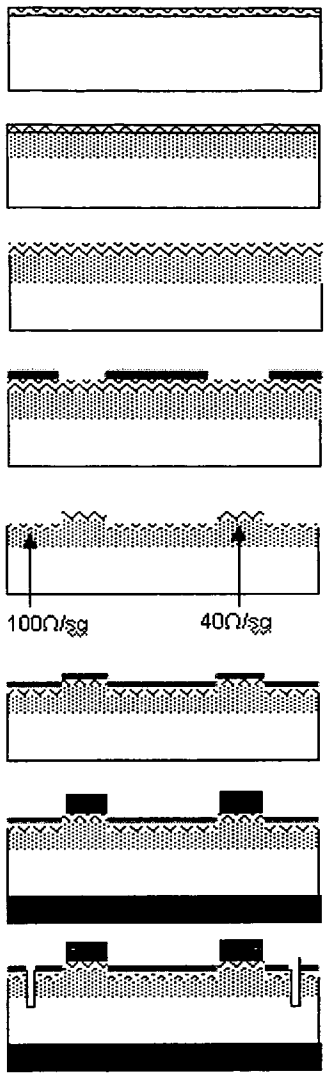


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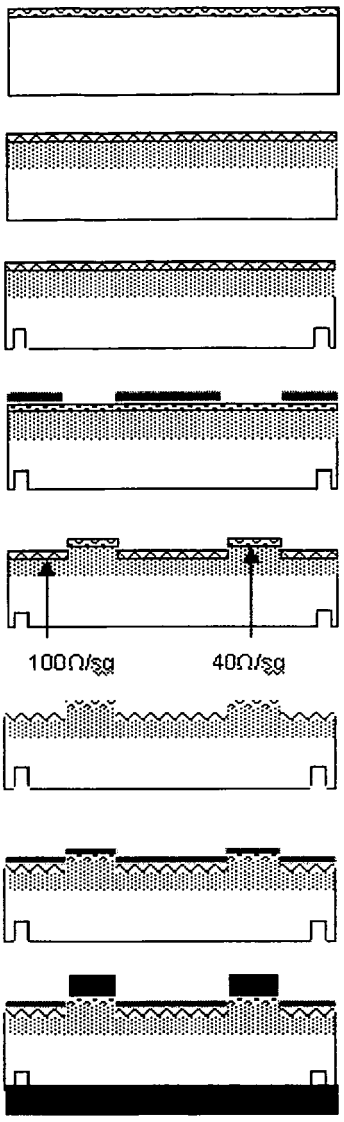


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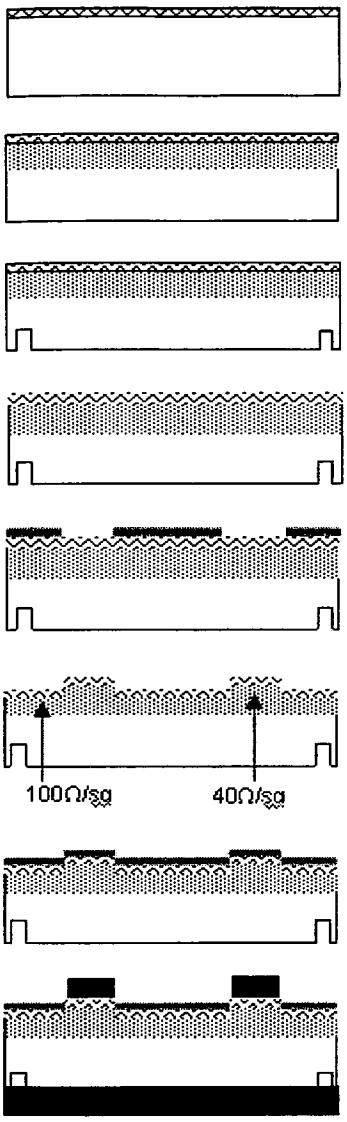
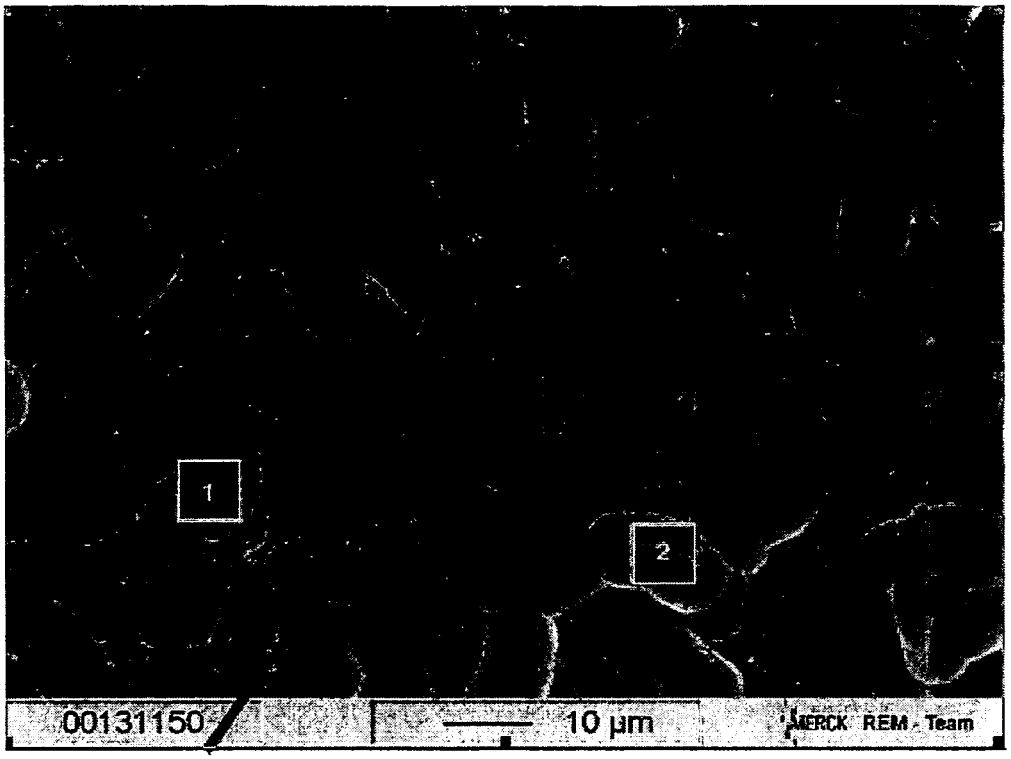


Abb. 8:



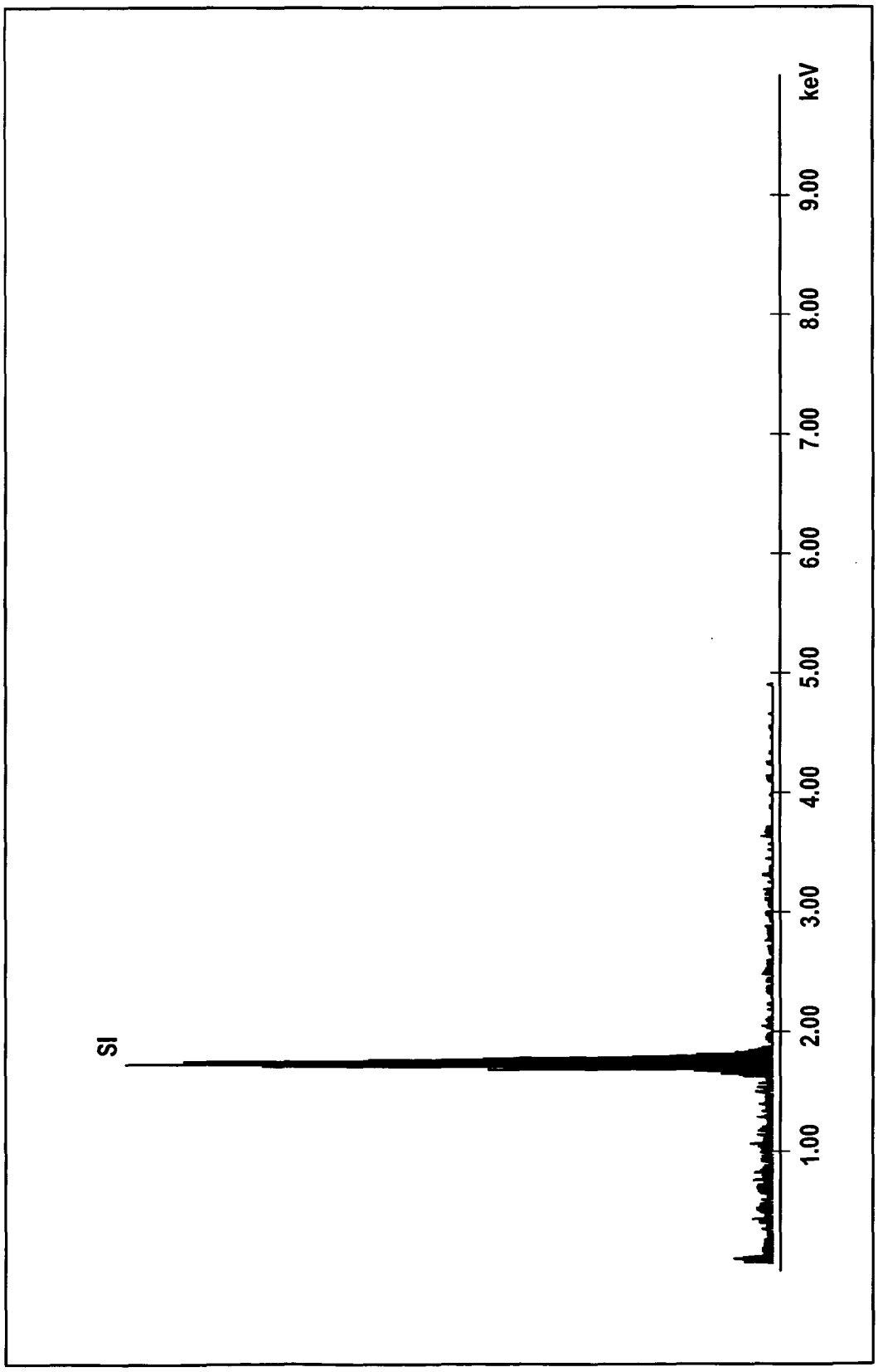


Fig. 9

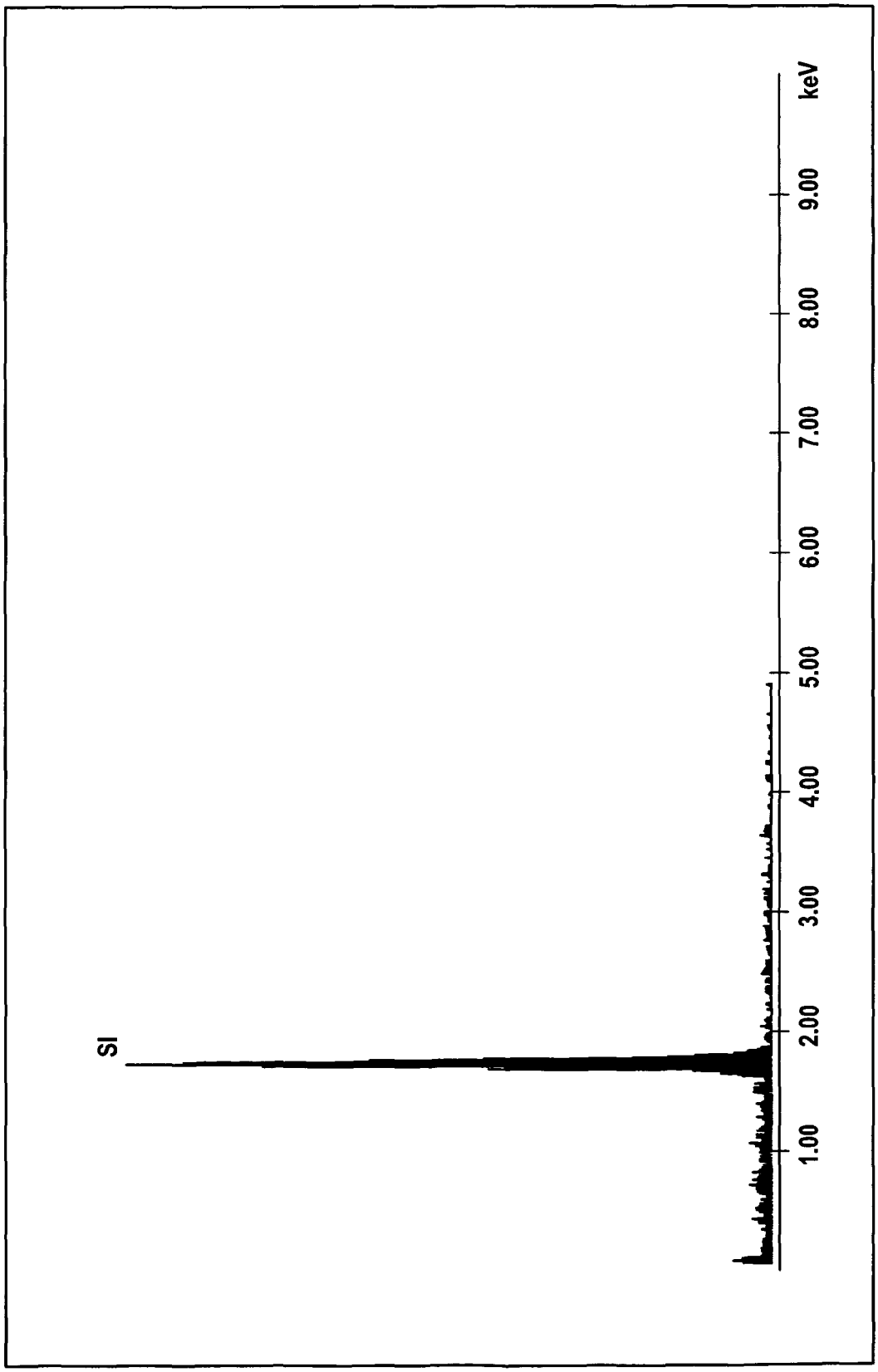


Fig. 10

Abb. 11:

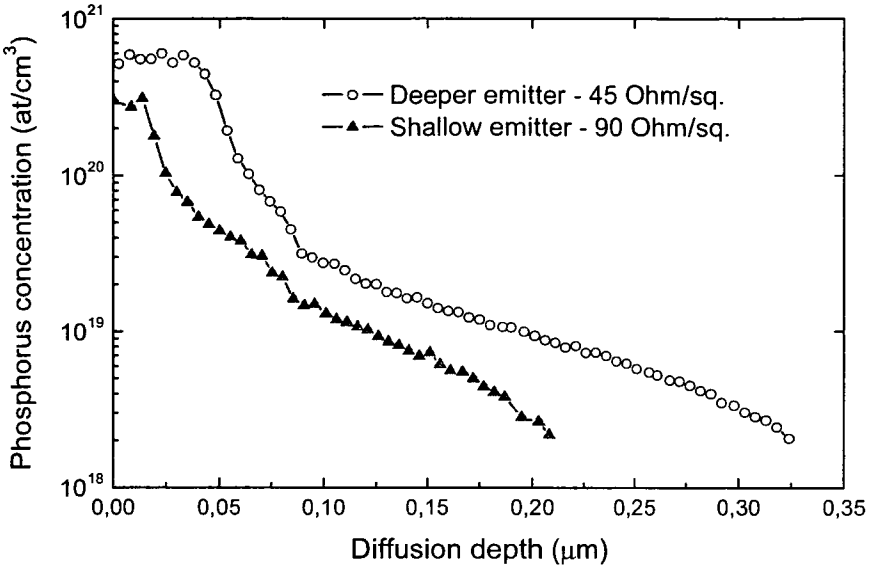

Phosphorus concentration (at/cm^3)
10^{21}
10^{20}
10^{19}
10^{18}
0,00
0,05
0,10
0,15
0,20
0,25
0,30
0,35
Diffusion depth (µm)
Deeper emitter - 45 Ohm/sq.
Shallow emitter - 90 Ohm/sq.

Abb.12:

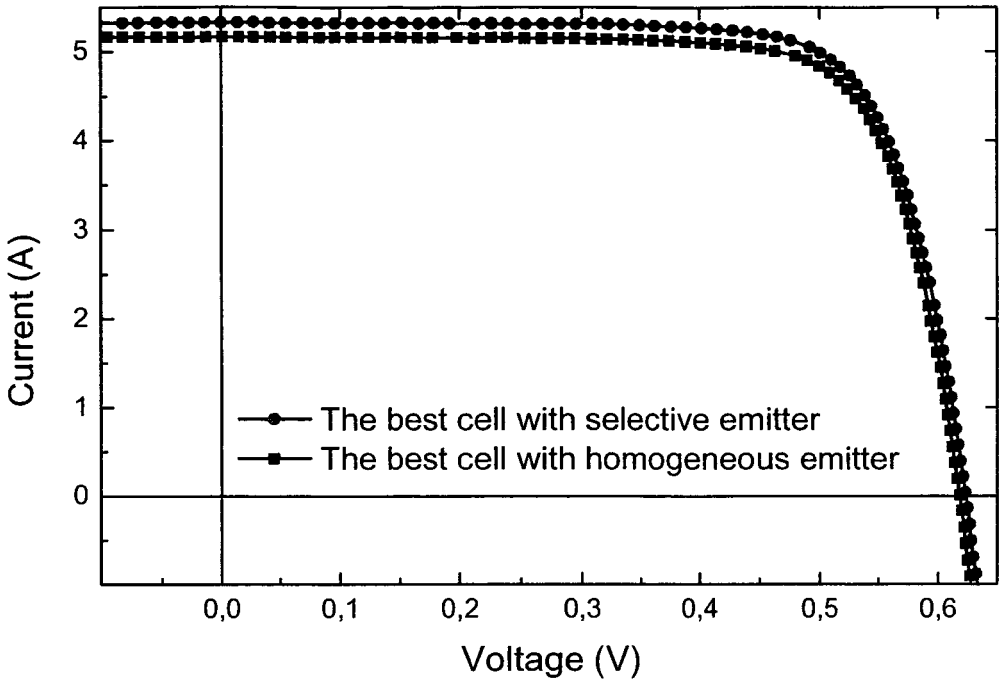
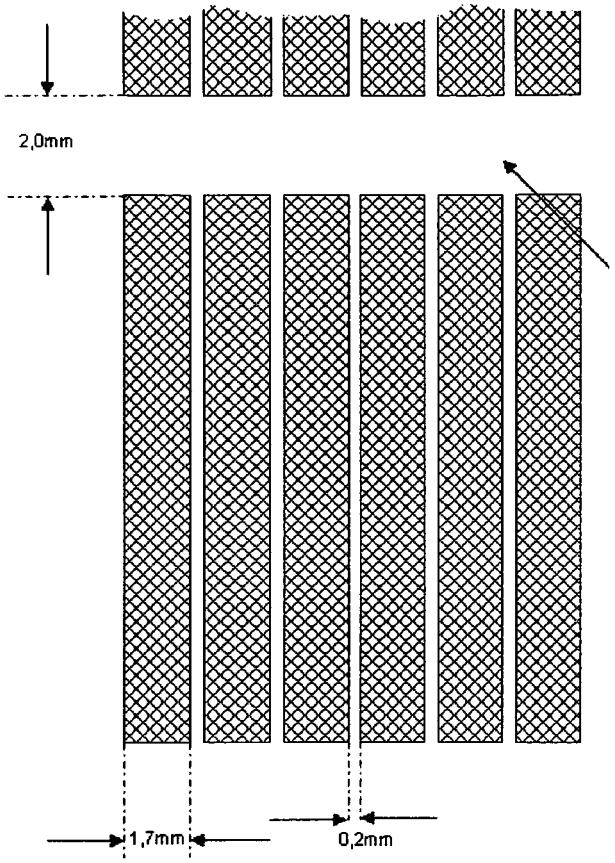

Current (A)
Voltage (V)
0
1
2
3
4
5
0,0
0,1
0,2
0,3
0,4
0,5
0,6
The best cell with selective emitter
The best cell with homogeneous emitter

Abb.13:



Beispiel: Teilausschnitt für ein Drucksieb

Anzahl der Streifen ca. 73, Breite 1,7mm
Anzahl Hauptbusbar 2, Breite 2,0mm