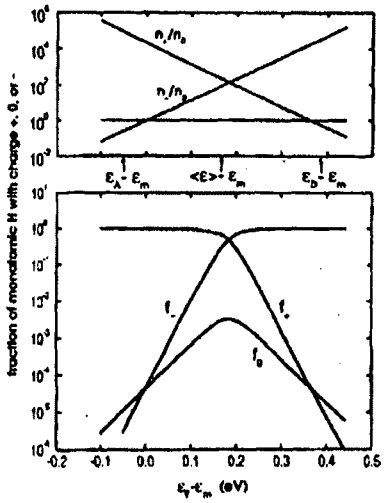


Figure 1

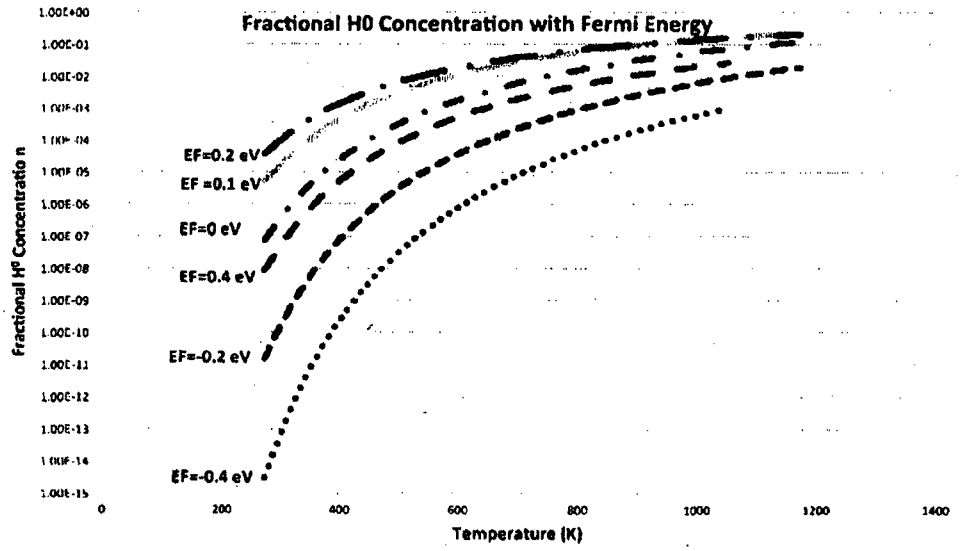


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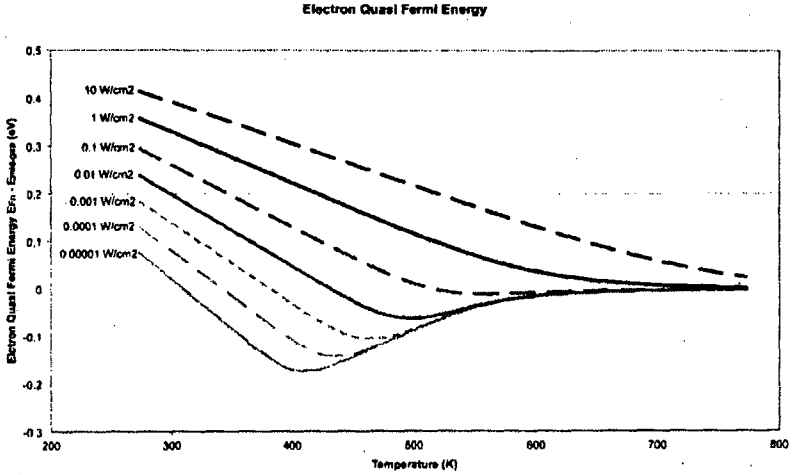


Figure 3A

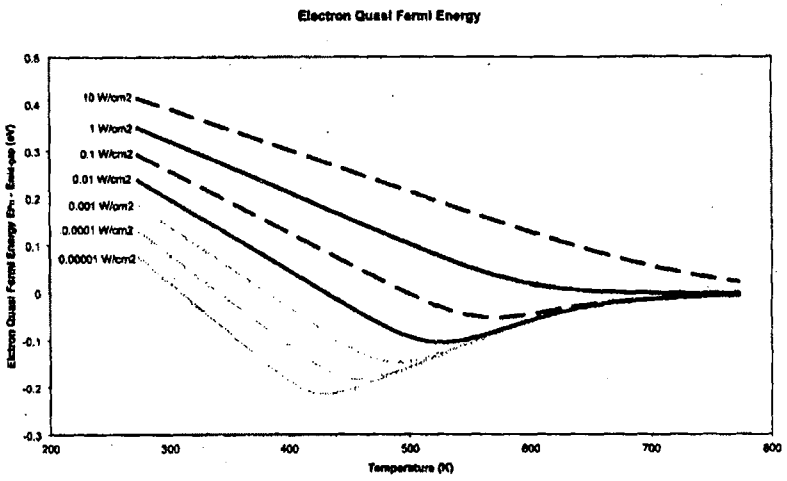


Figure 3B

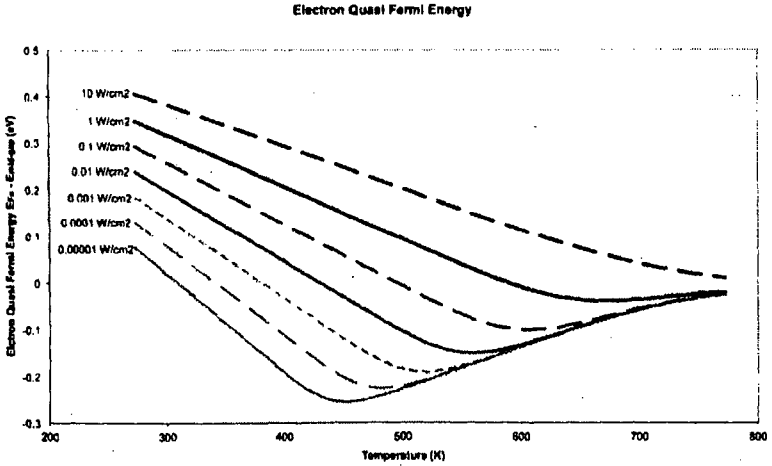


Figure 3C

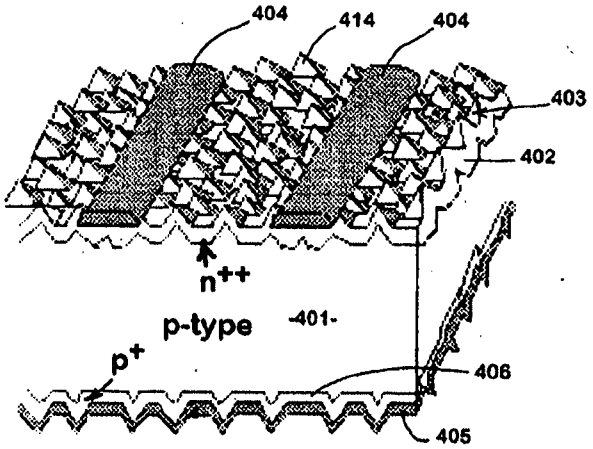


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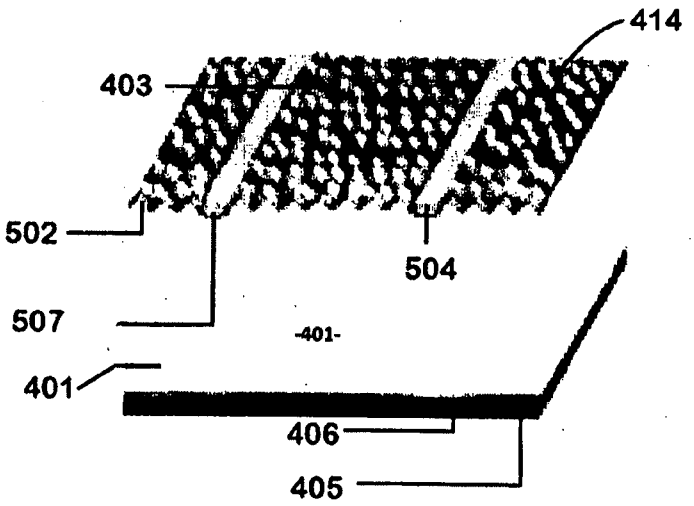


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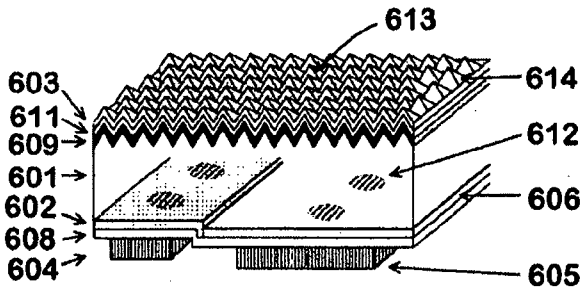


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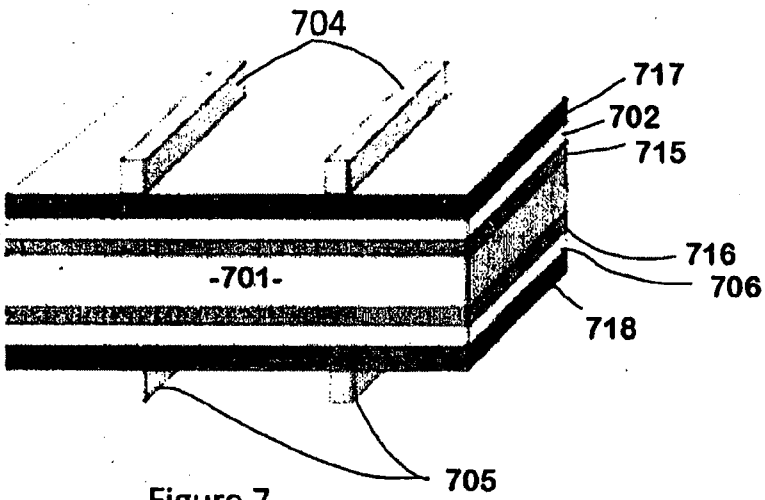


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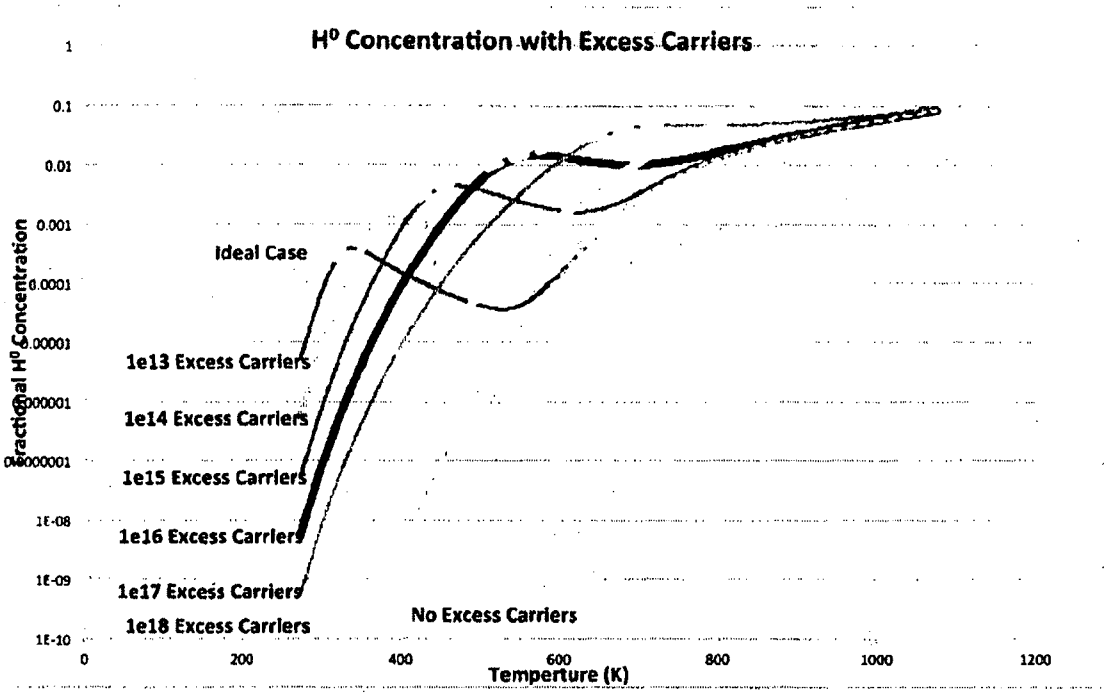


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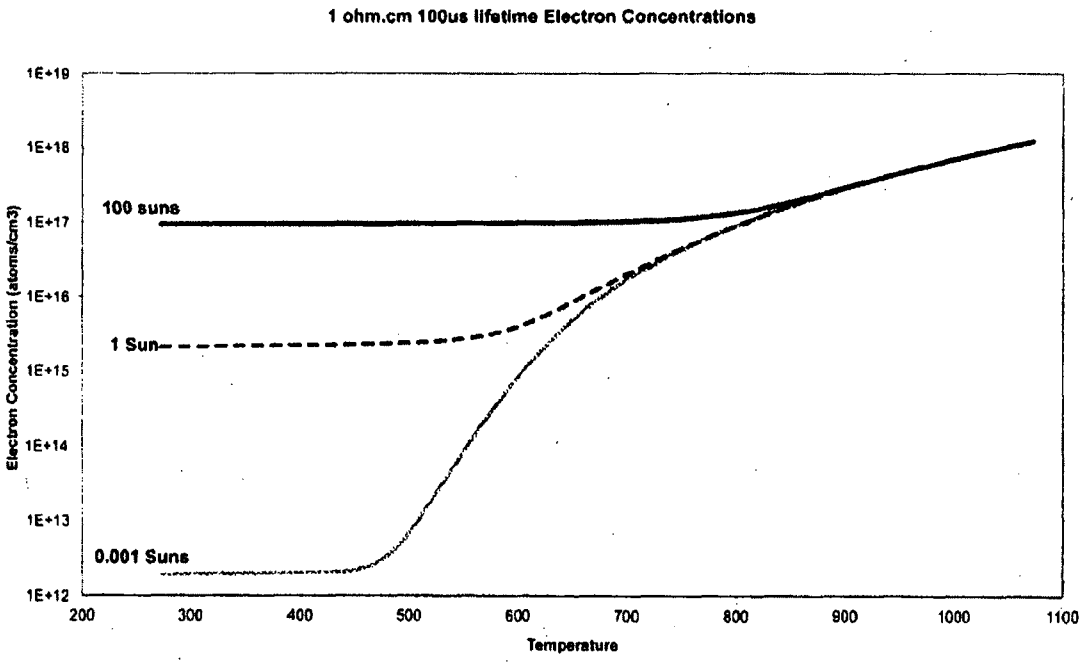


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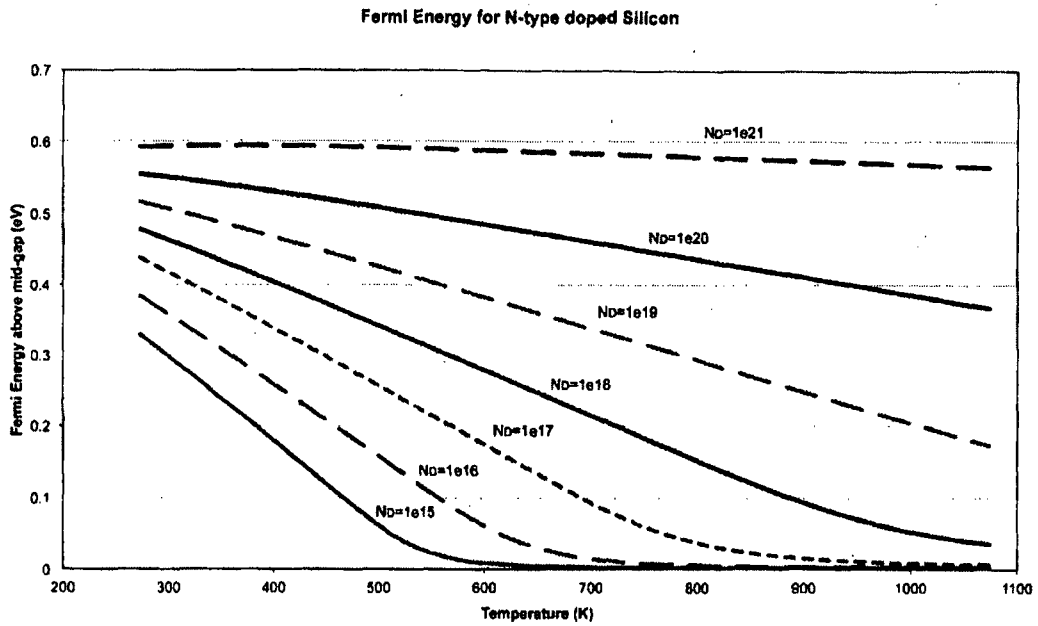


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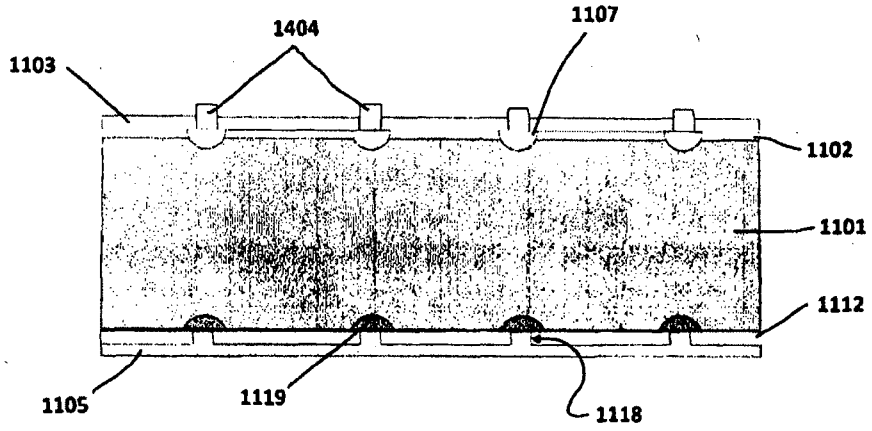


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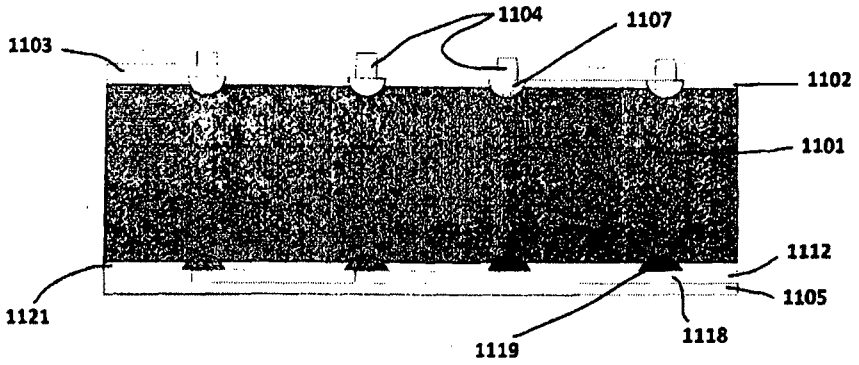


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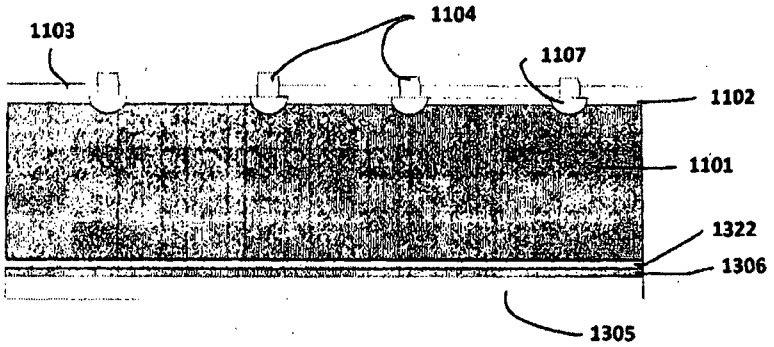


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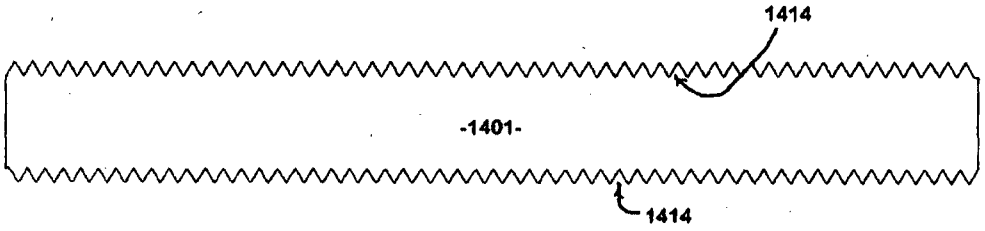


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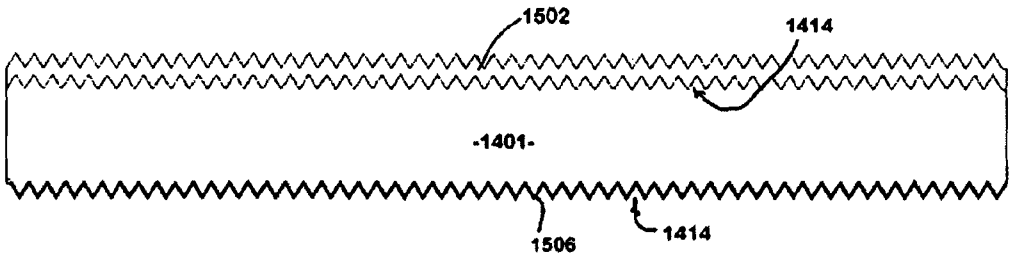


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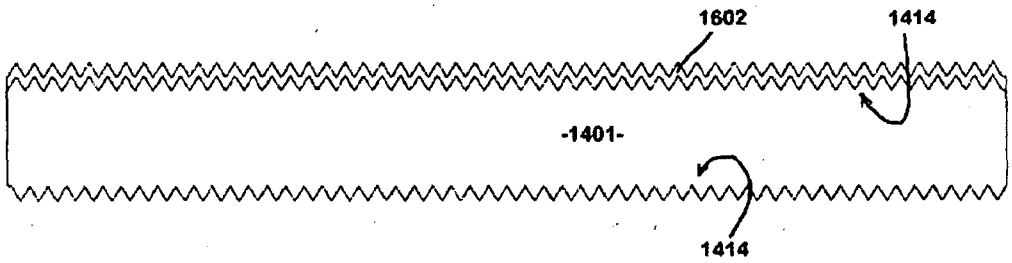


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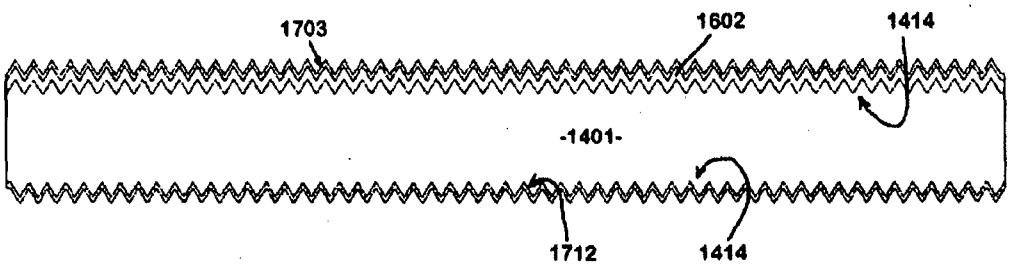


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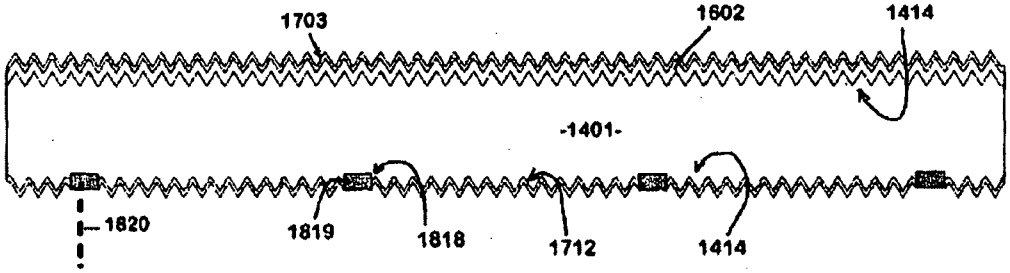


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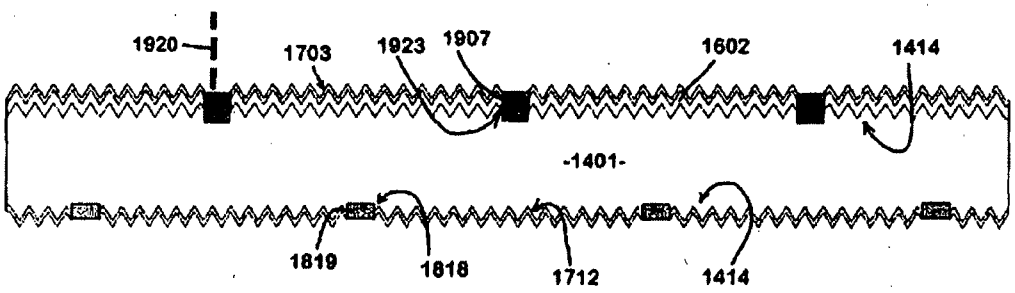


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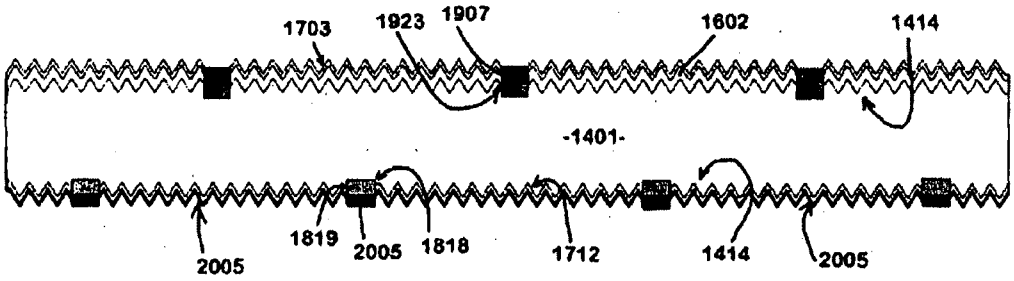


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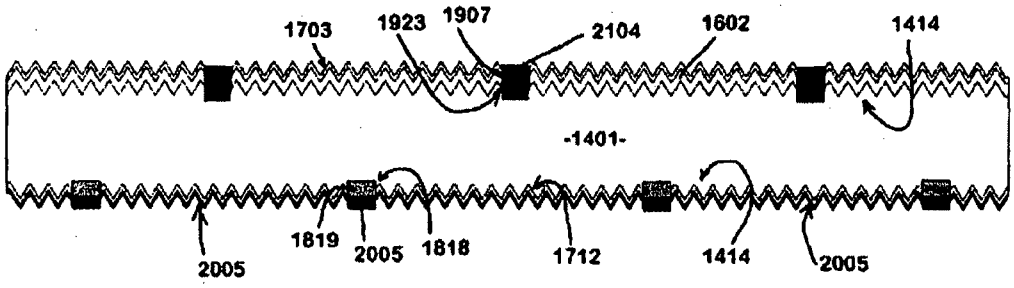


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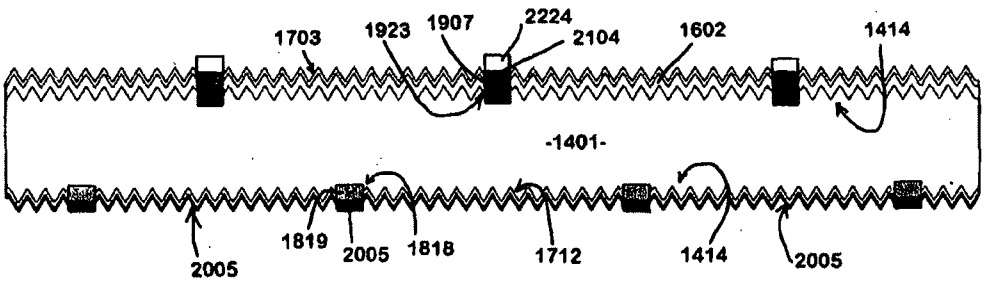


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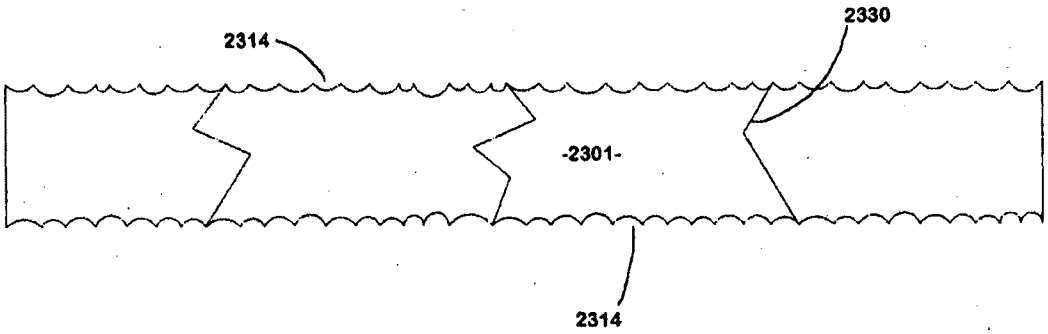


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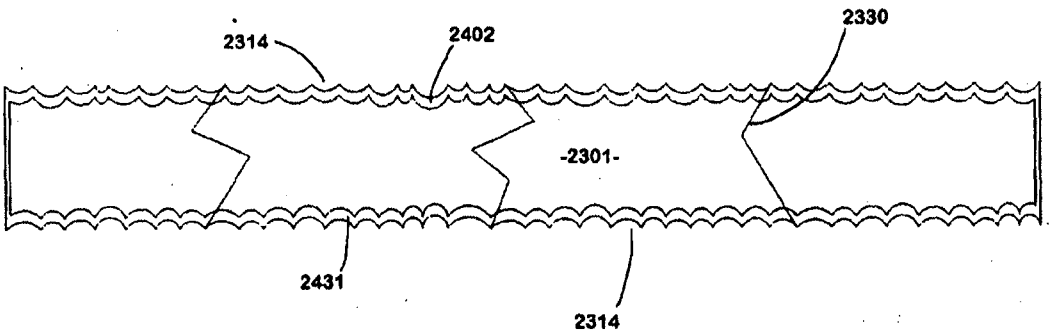


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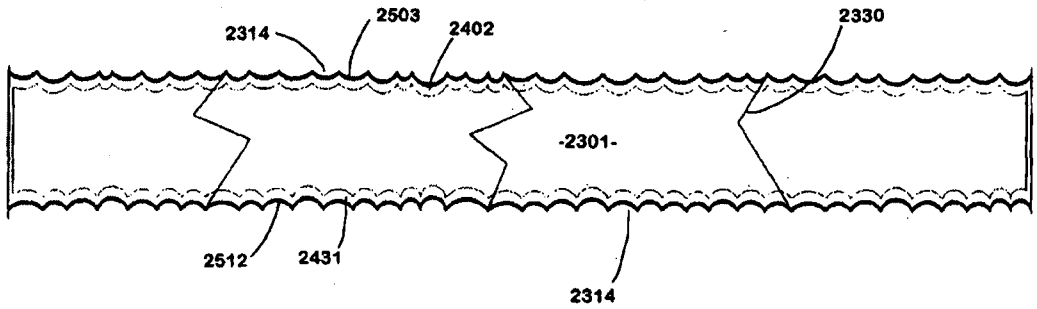


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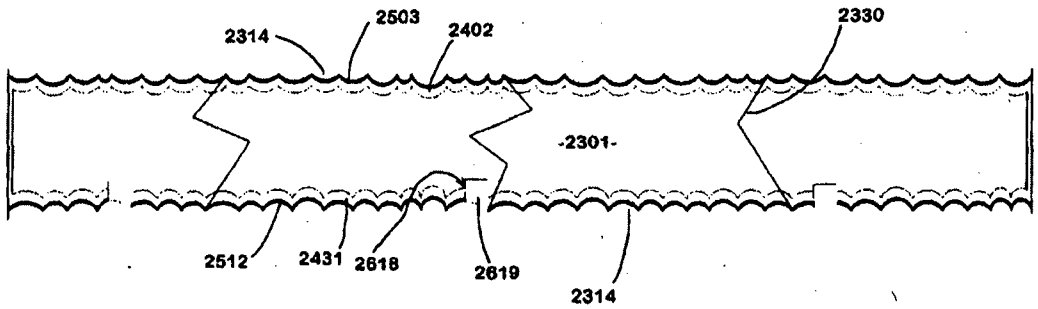


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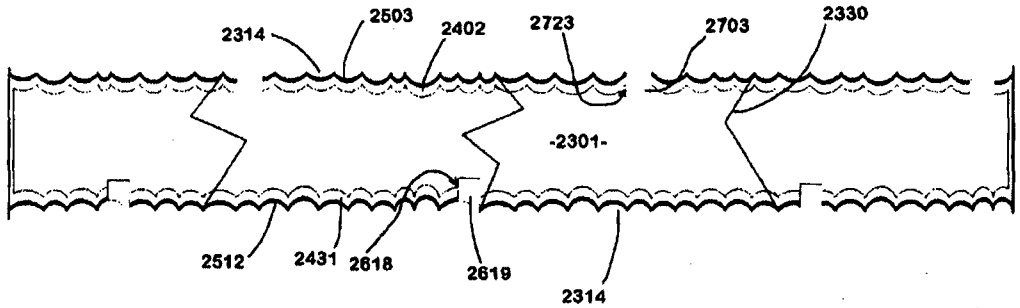


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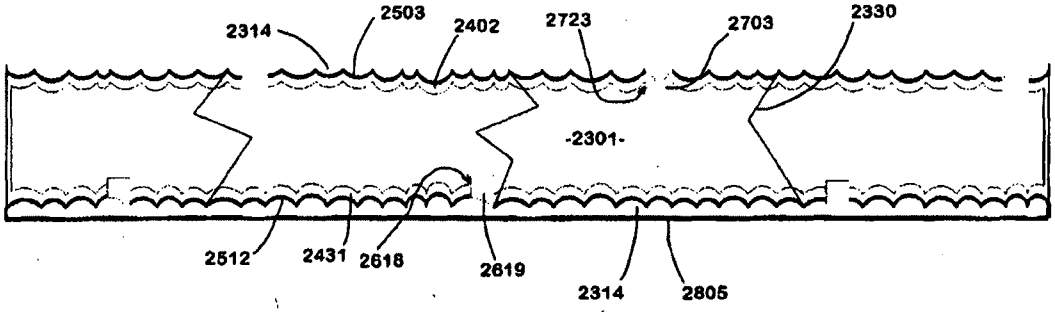


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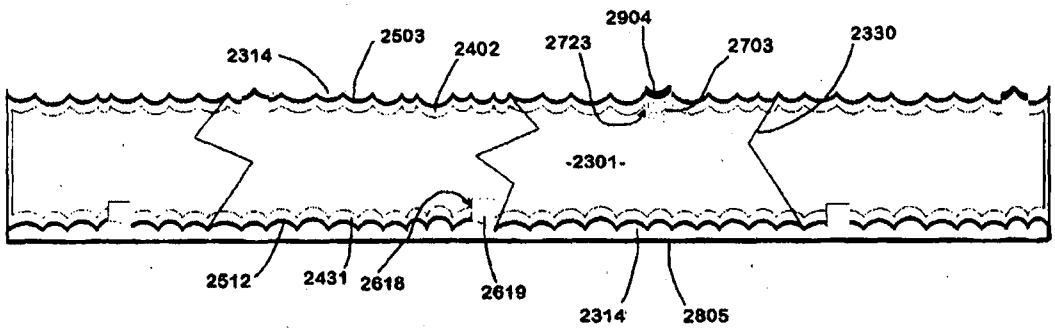


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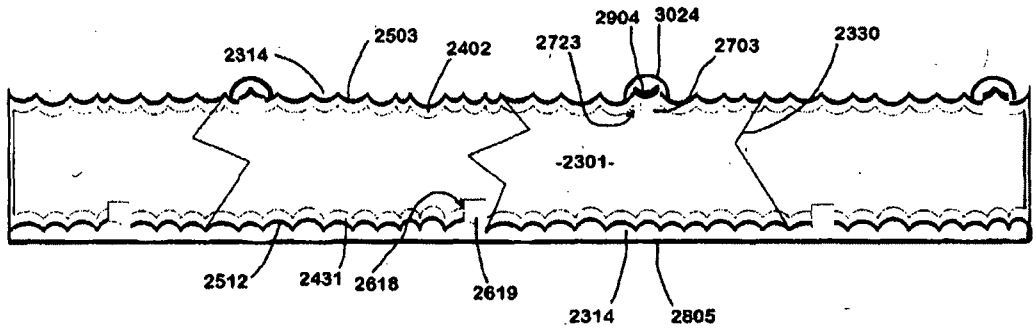


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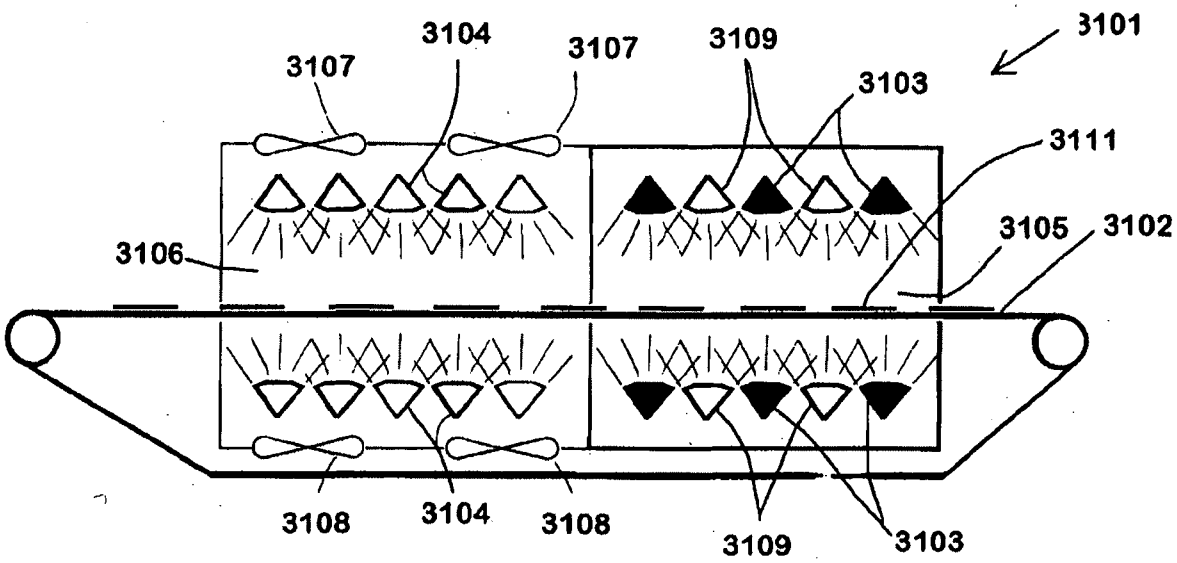


Figure 31a

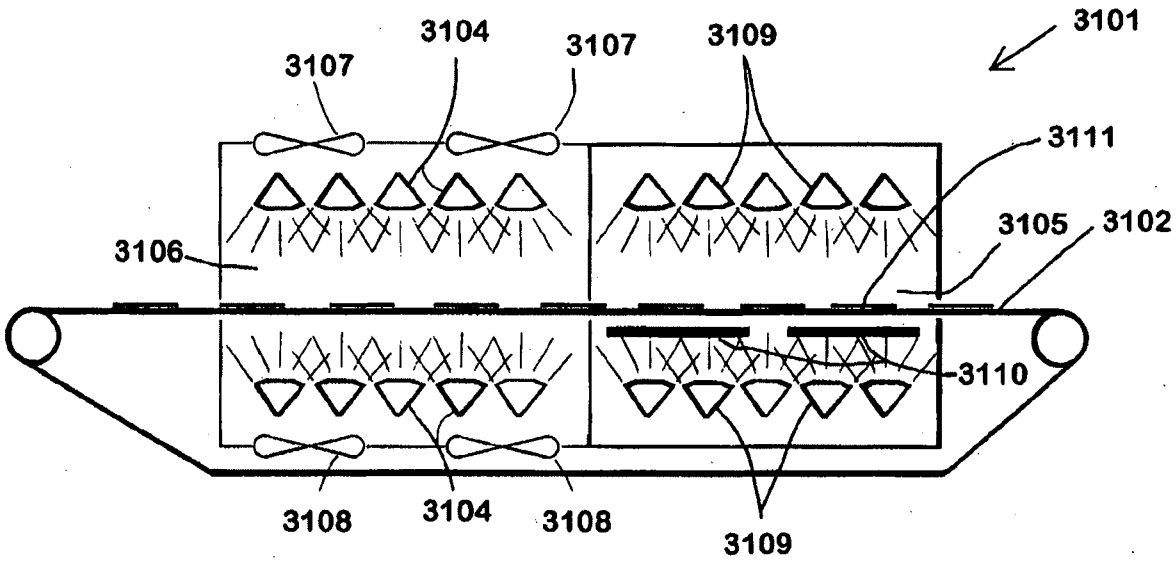


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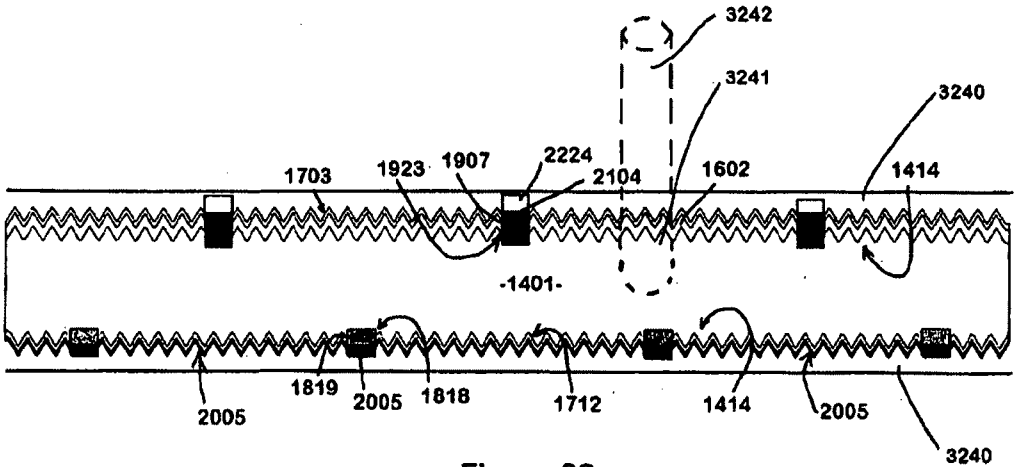


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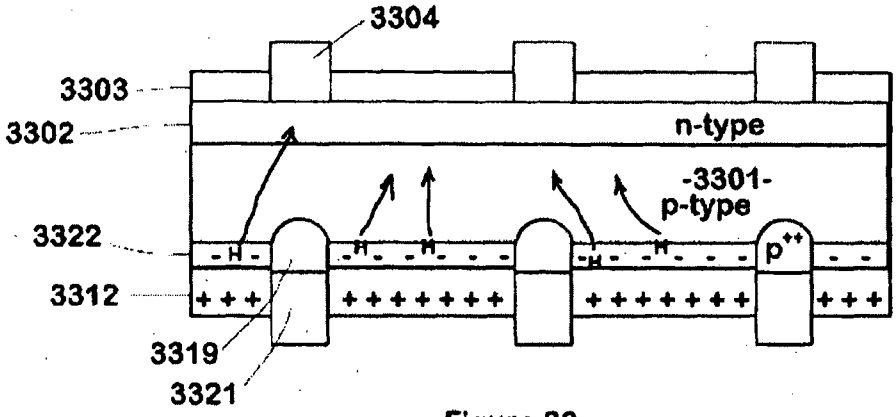


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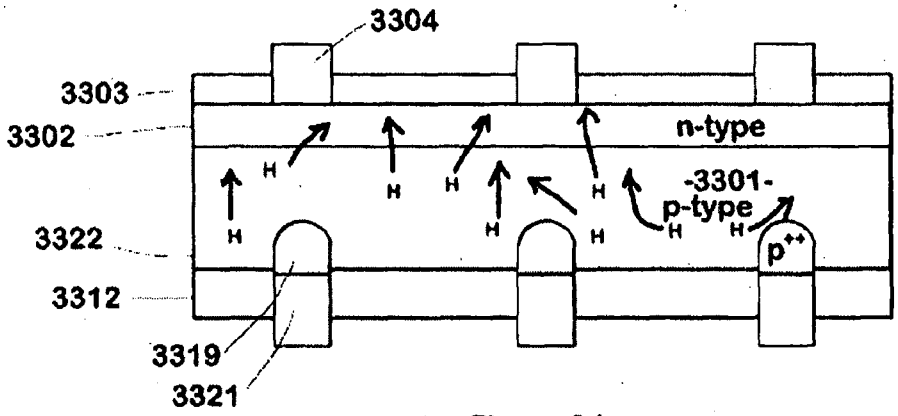


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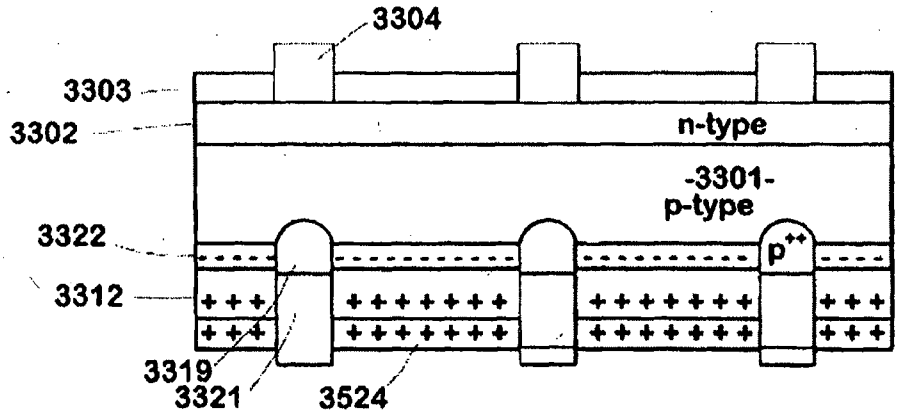


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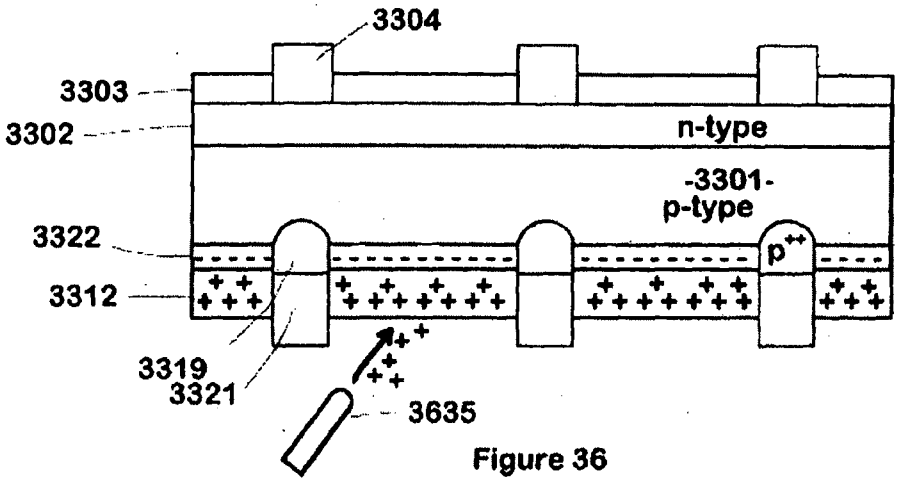


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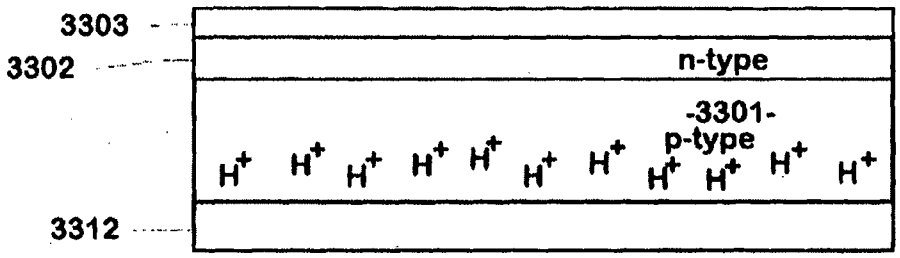


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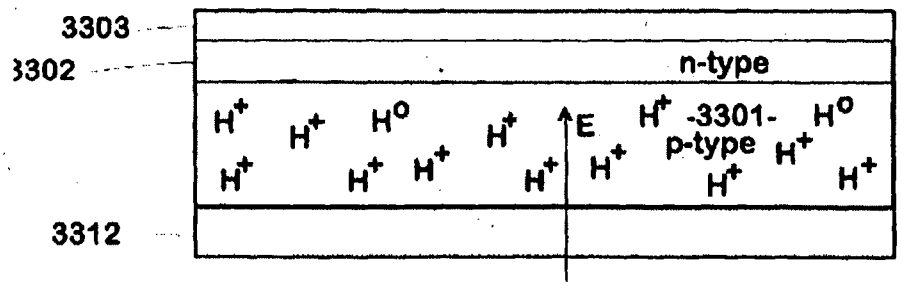


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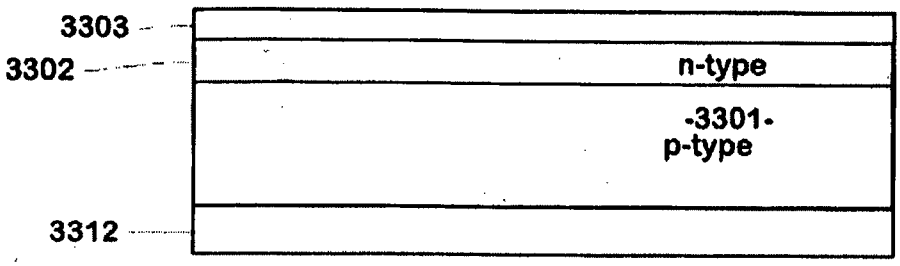


Figure 39

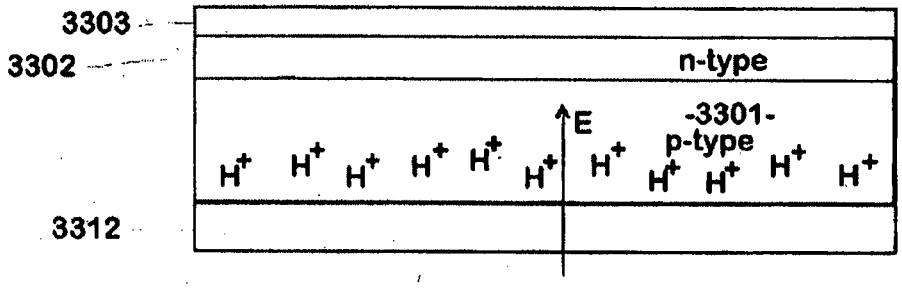


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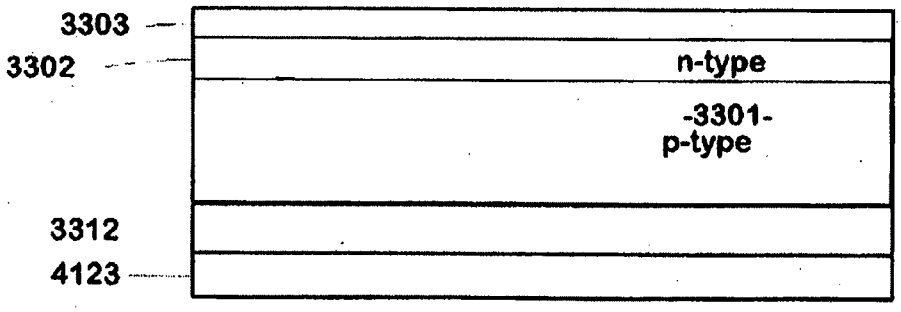


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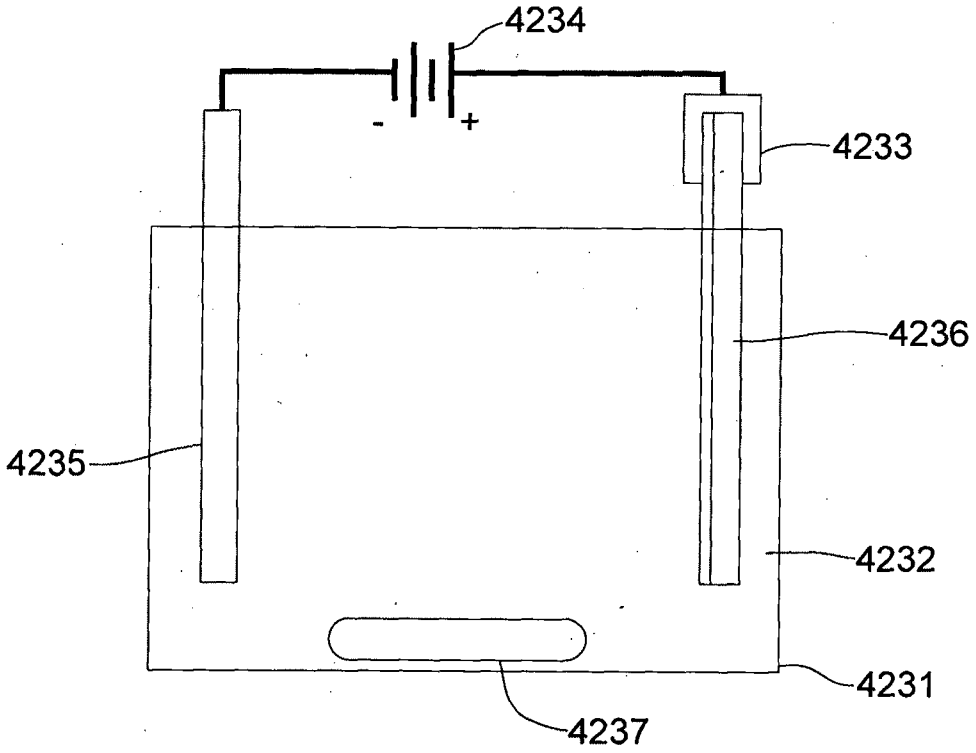


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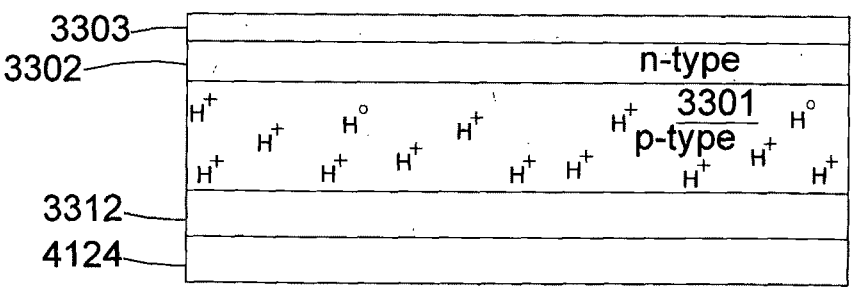


Figure 43

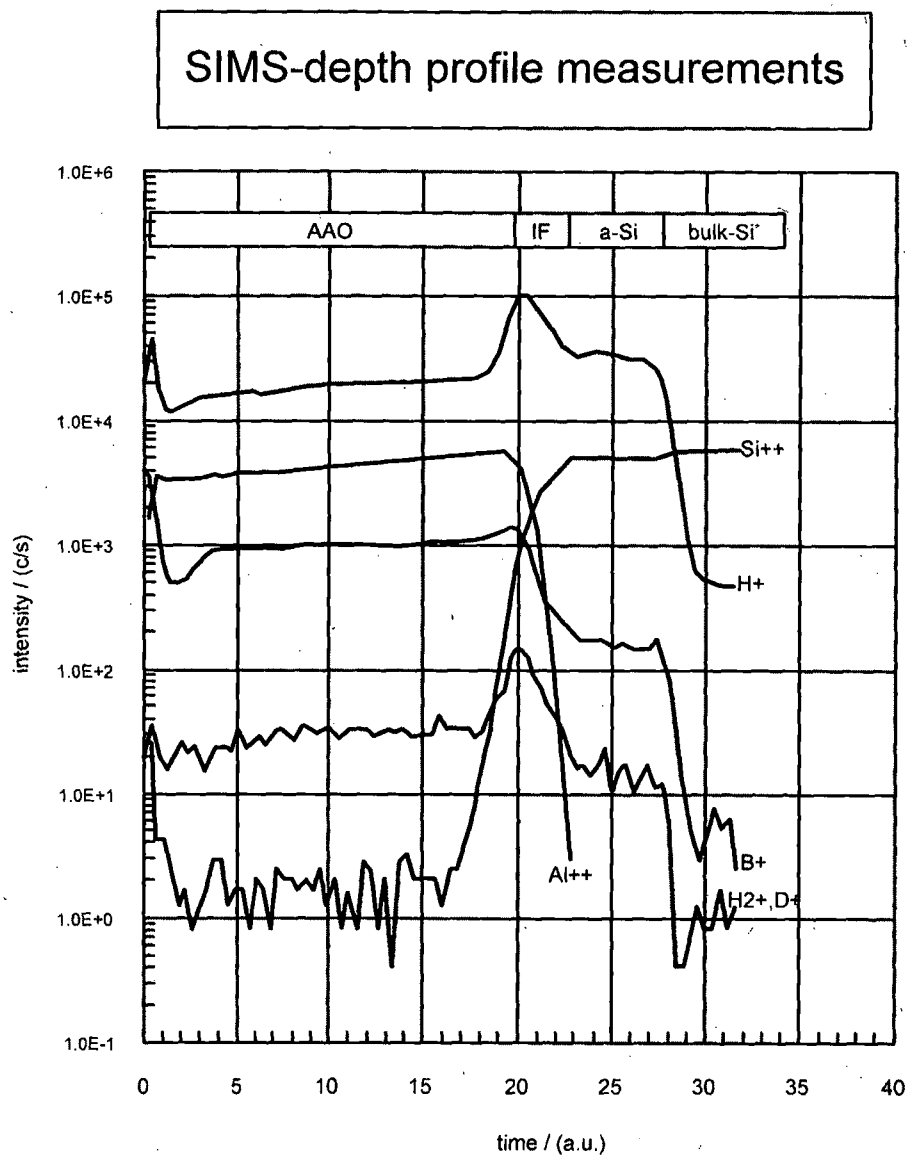

SIMS-depth profile measurements
AAO
IF
a-Si
bulk-Si
Si++
H+
Al++
B+
H2+,D+
intensity / (c/s)
1.0E+6
1.0E+5
1.0E+4
1.0E+3
1.0E+2
1.0E+1
1.0E+0
1.0E-1
0
5
10
15
20
25
30
35
40
time / (a.u.)

Figure 44

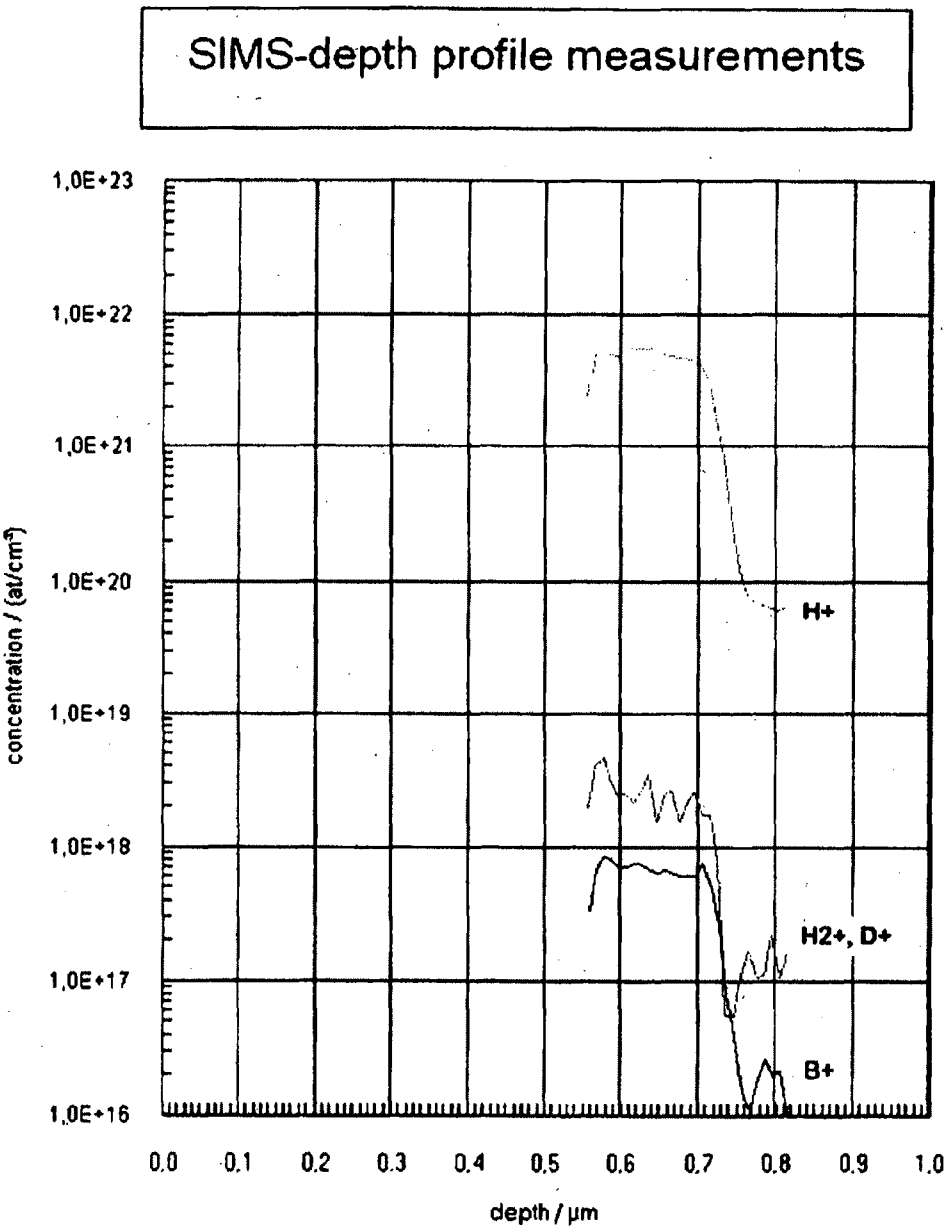

SIMS-depth profile measurements
1,0E+23
1,0E+22
1,0E+21
1,0E+20
1,0E+19
1,0E+18
1,0E+17
1,0E+16
concentration / (at/cm³)
H+
H2+, D+
B+
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
depth / µm

Figure 45

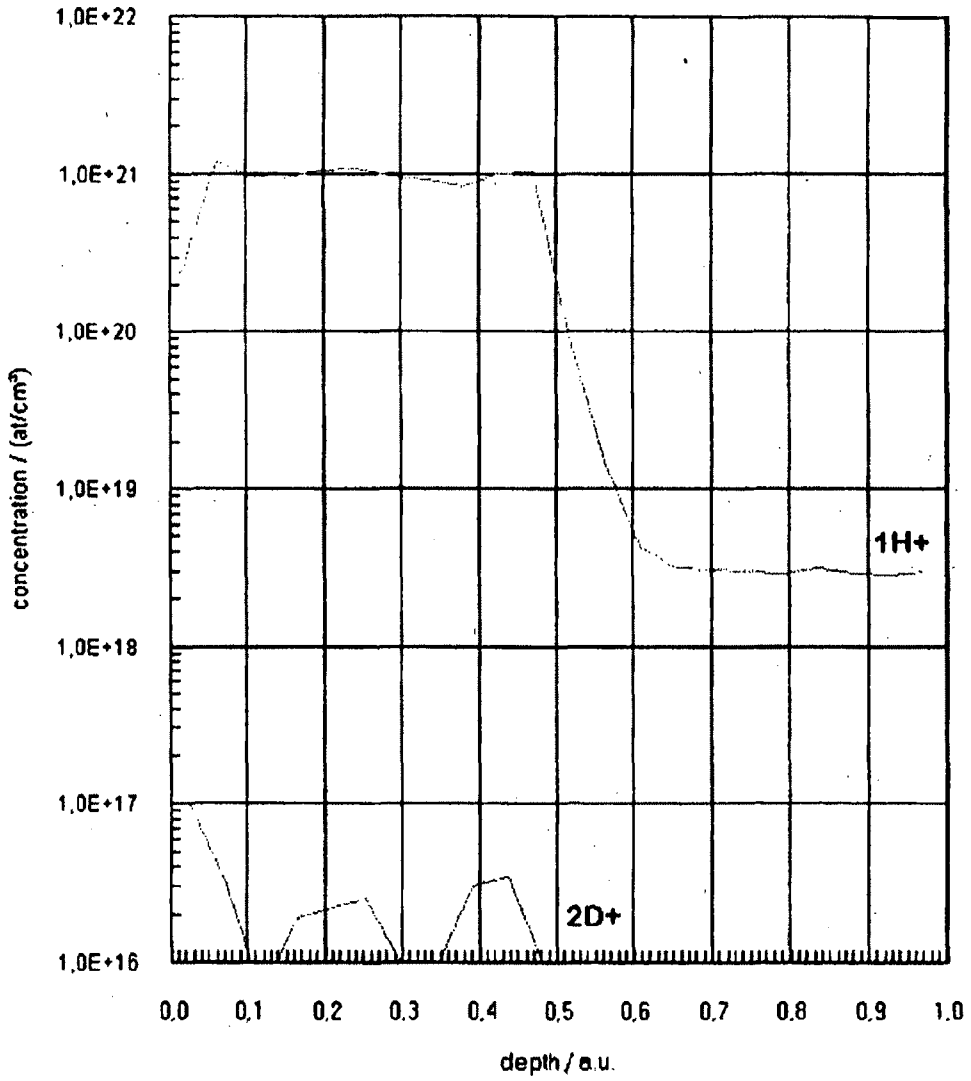

1,0E+22
1,0E+21
1,0E+20
1,0E+19
1,0E+18
1,0E+17
1,0E+16
concentration / (at/cm³)
1H+
2D+
0,0
0,1
0,2
0,3
0,4
0,5
0,6
0,7
0,8
0,9
1,0
depth / a.u.

Figure 46