FIG. 1A

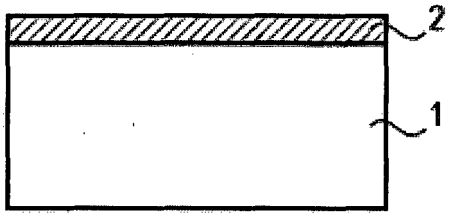


FIG. 1B

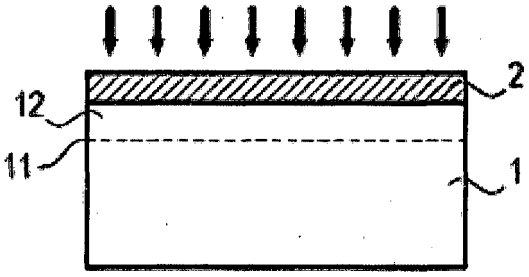


FIG. 1C

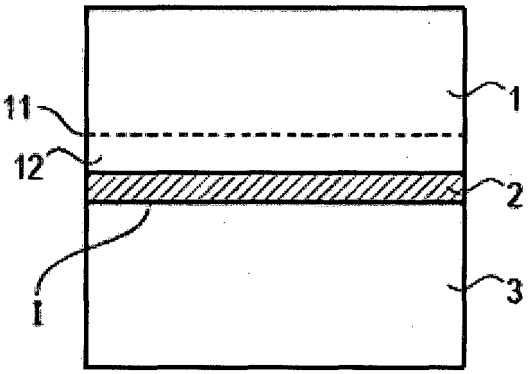


FIG. 1D

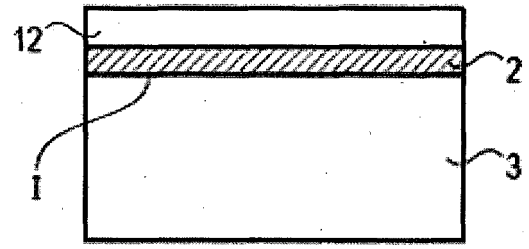


FIG. 2

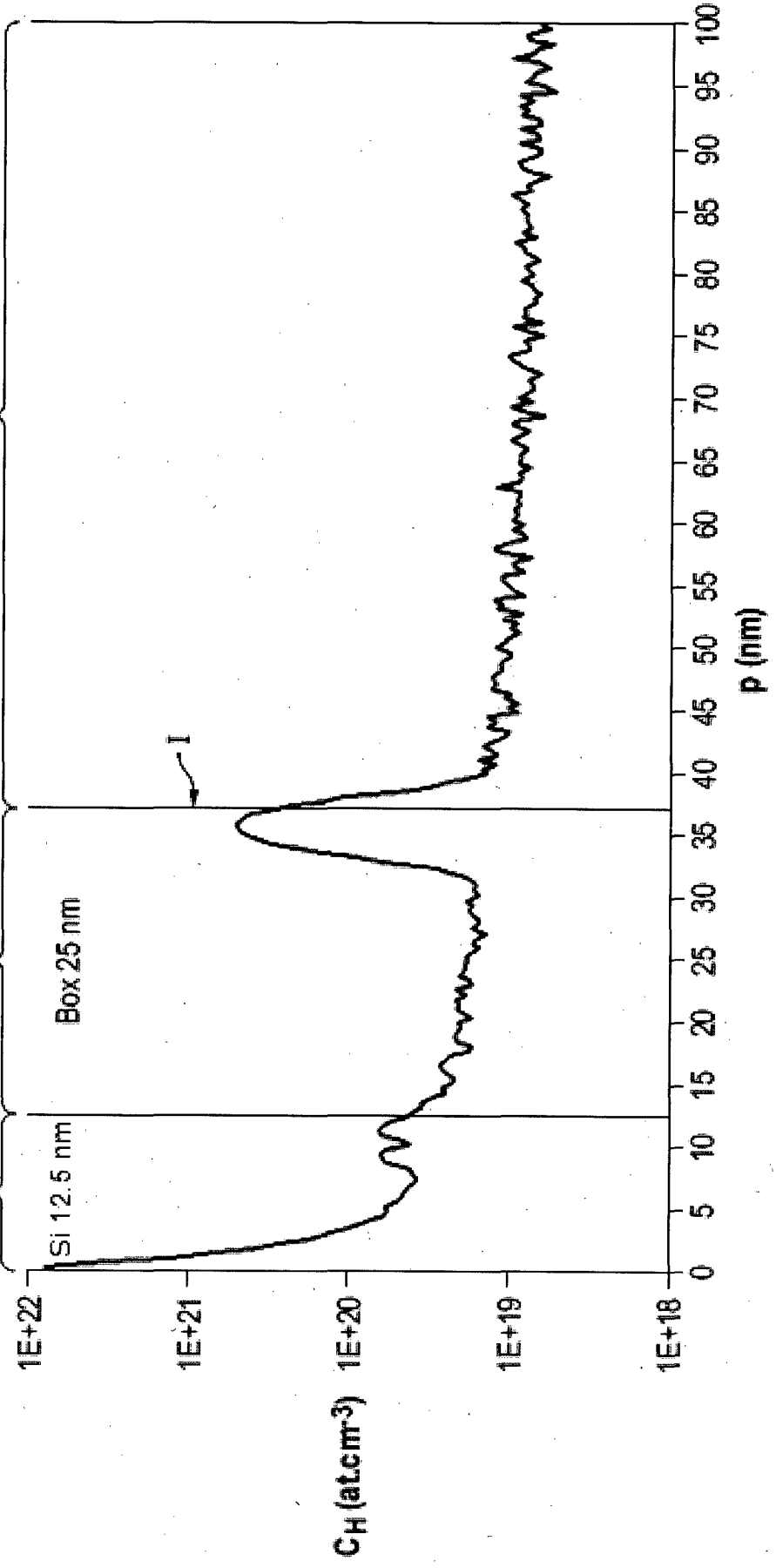

12
2
3
Si 12.5 nm
Box 25 nm
I
1E+22
1E+21
1E+20
1E+19
1E+18
C_H (at.cm^{-3})
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
p (nm)

FIG. 3

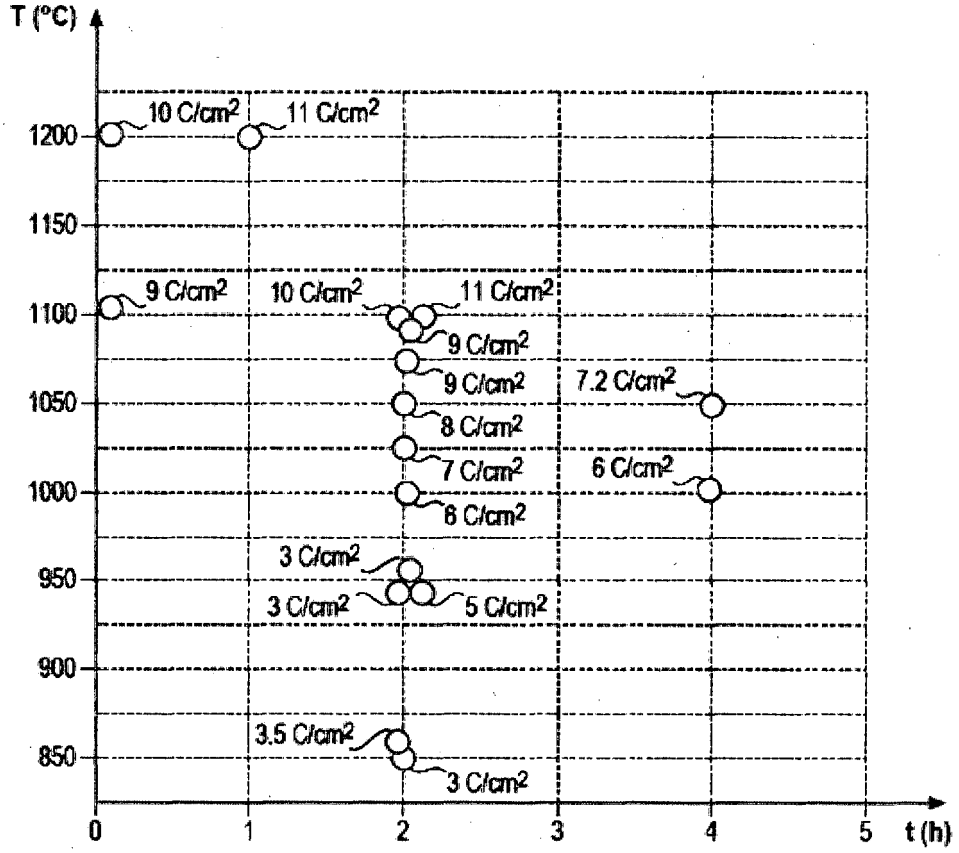

T (°C)
1200
1150
1100
1050
1000
950
900
850
0
1
2
3
4
5
t (h)
10 C/cm2
11 C/cm2
9 C/cm2
10 C/cm2
11 C/cm2
9 C/cm2
9 C/cm2
7.2 C/cm2
8 C/cm2
7 C/cm2
6 C/cm2
6 C/cm2
3 C/cm2
3 C/cm2
5 C/cm2
3.5 C/cm2
3 C/cm2

FIG. 4

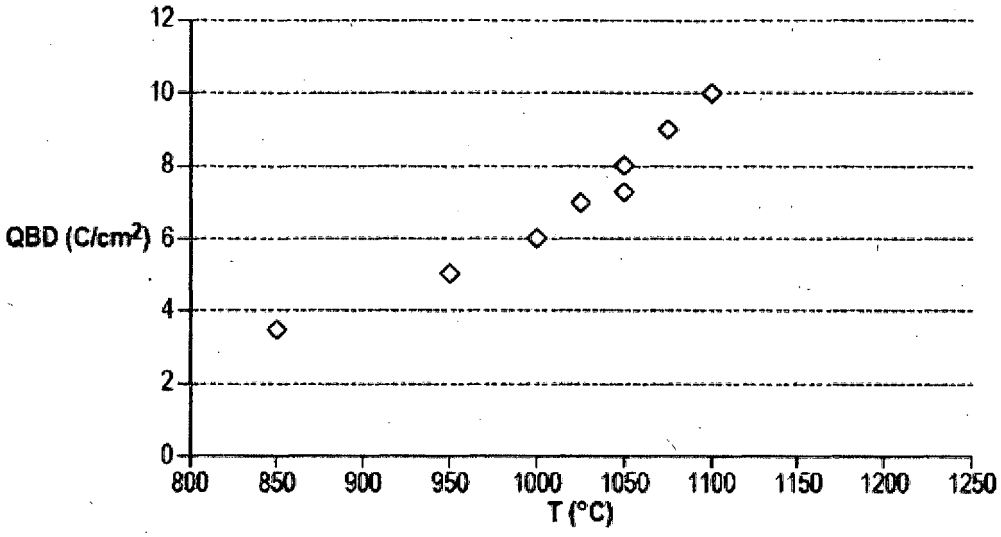
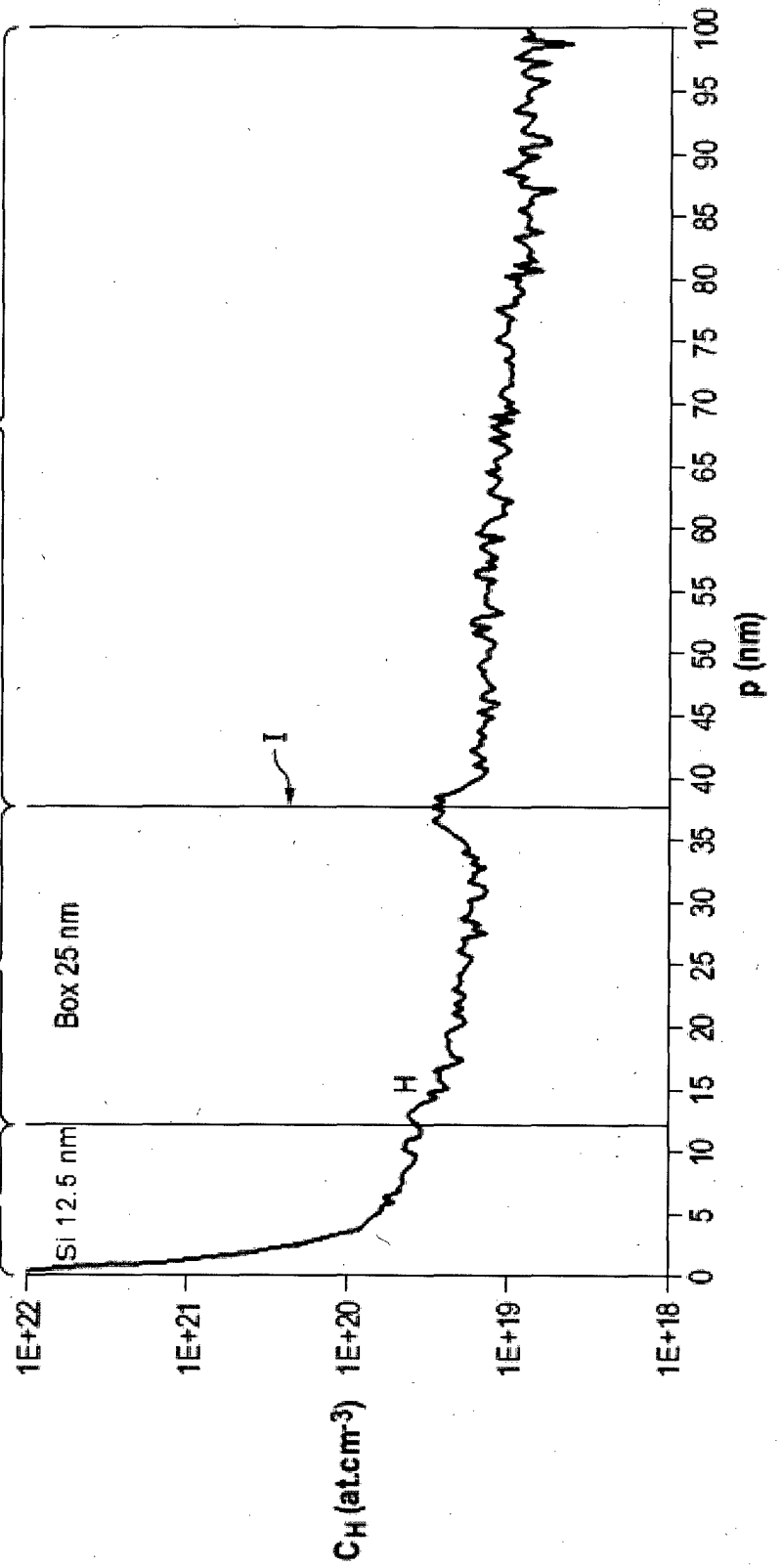

12
10
8
6
4
2
0
QBD (C/cm²)
800
850
900
950
1000
1050
1100
1150
1200
1250
T (°C)

FIG. 5


12
2
3
Si 12.5 nm
Box 25 nm
H
I
1E+22
1E+21
1E+20
1E+19
1E+18
C_H (at.cm^{-3})
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
p (nm)