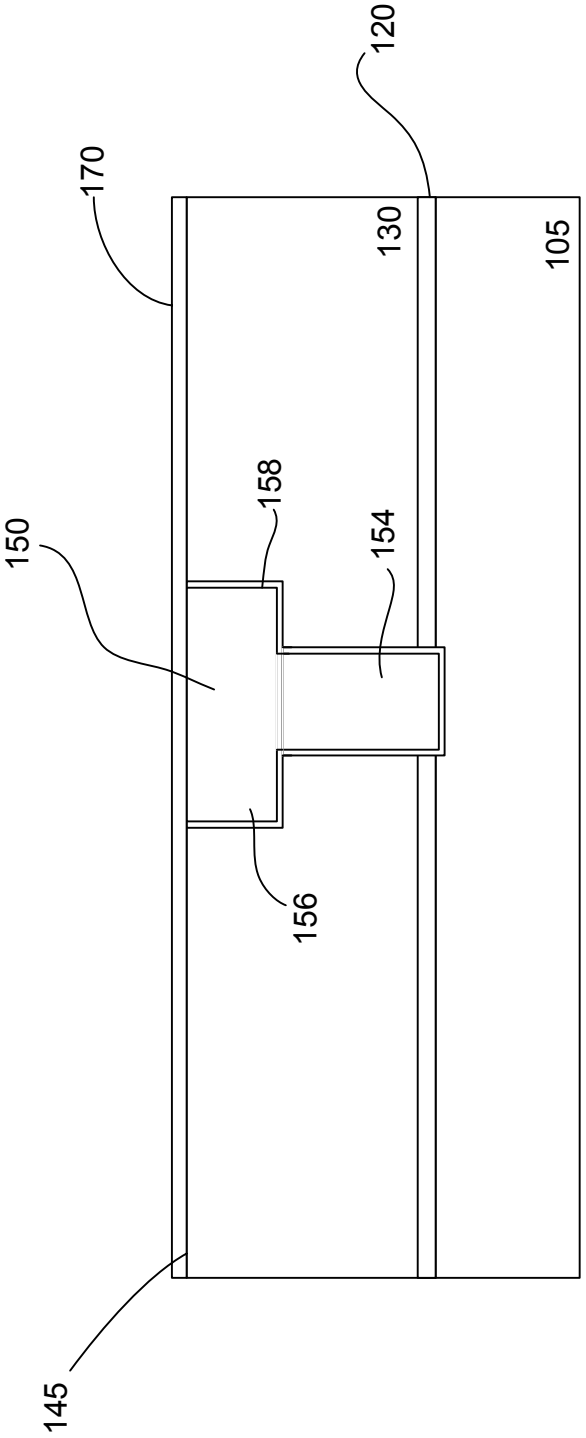


Fig. 1

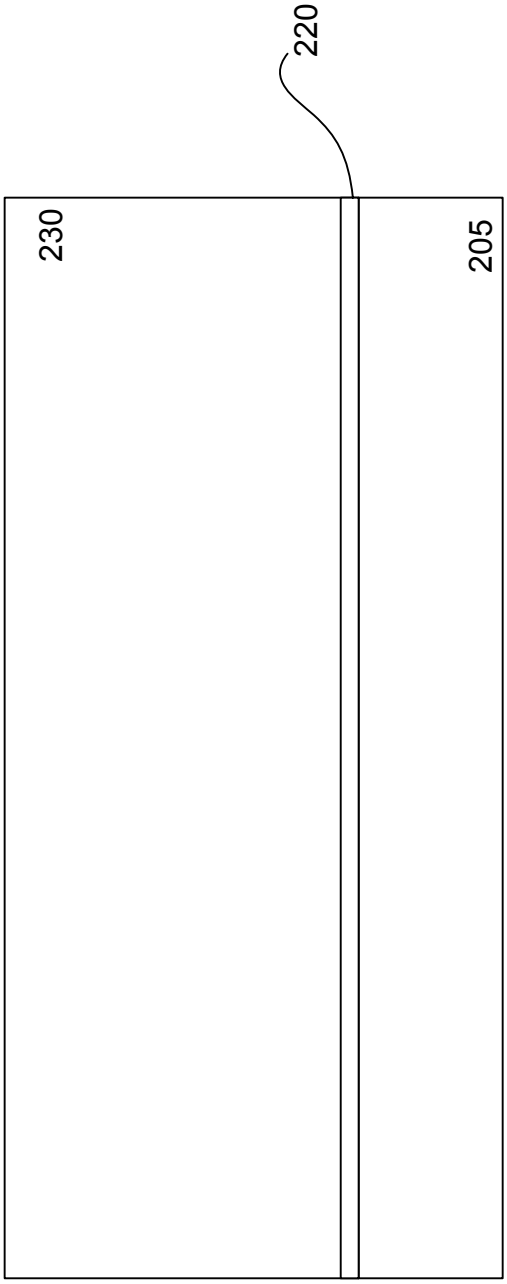


Fig. 2a

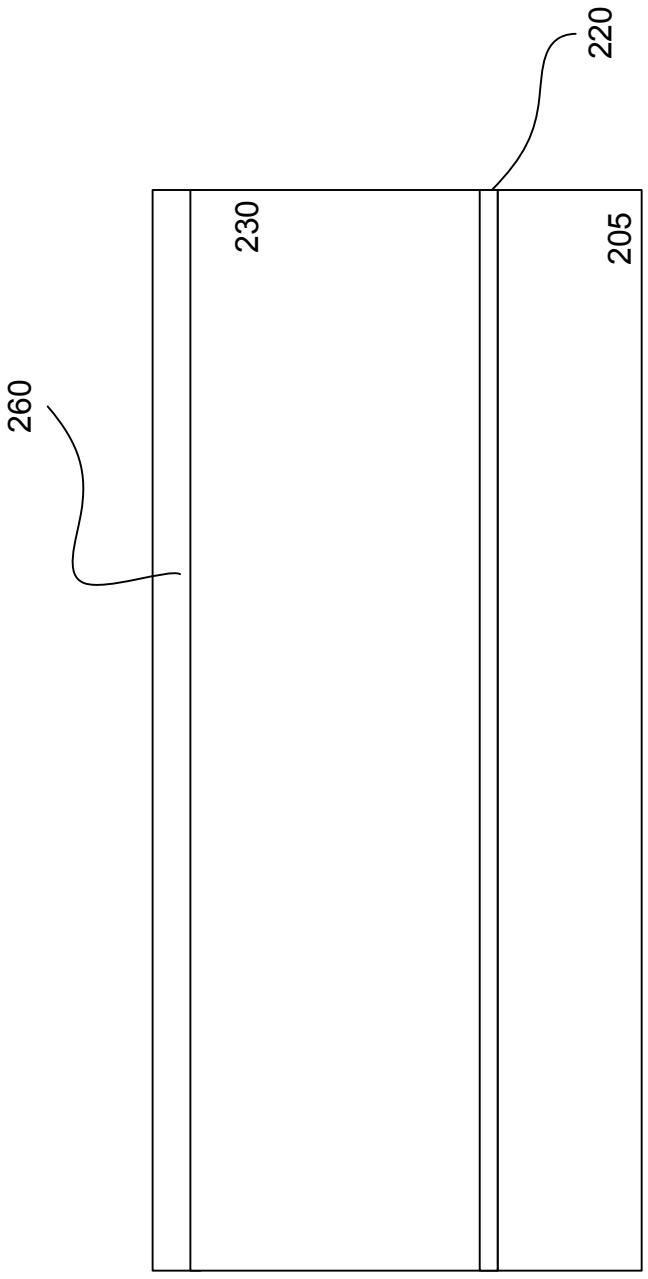


Fig. 2b

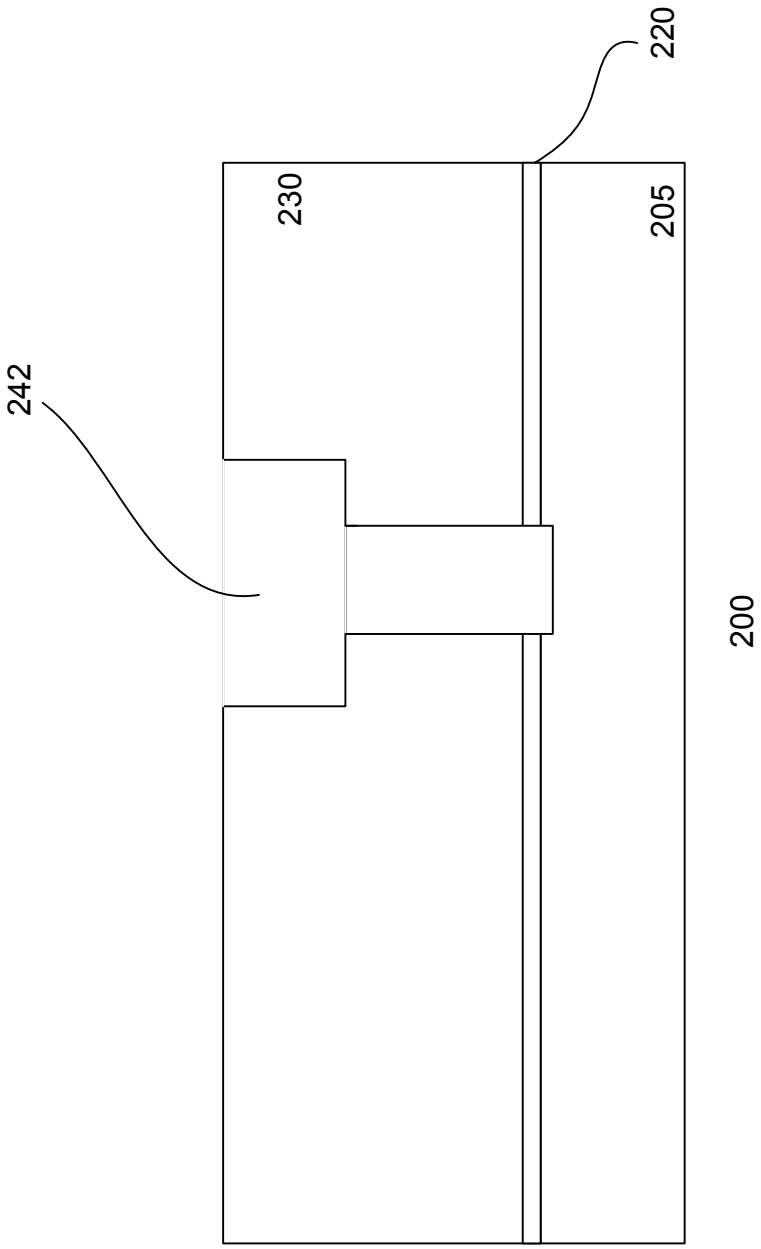


Fig. 2c

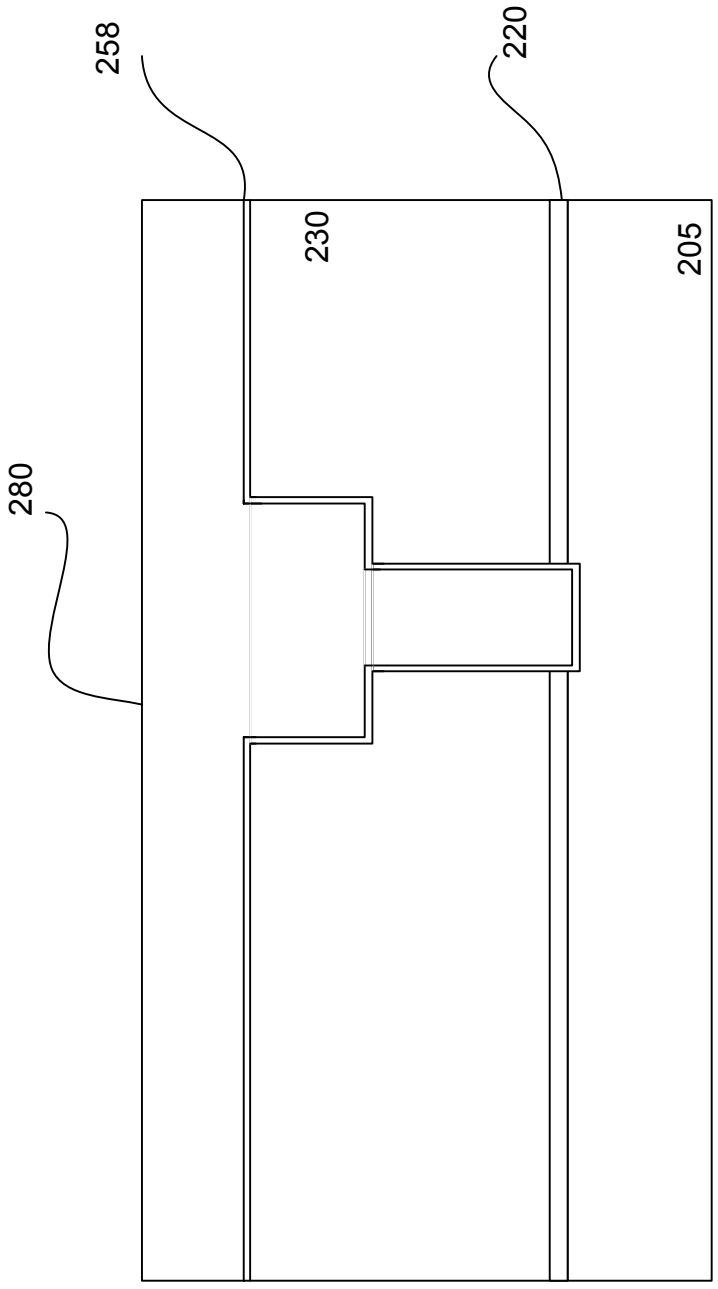


Fig. 2d

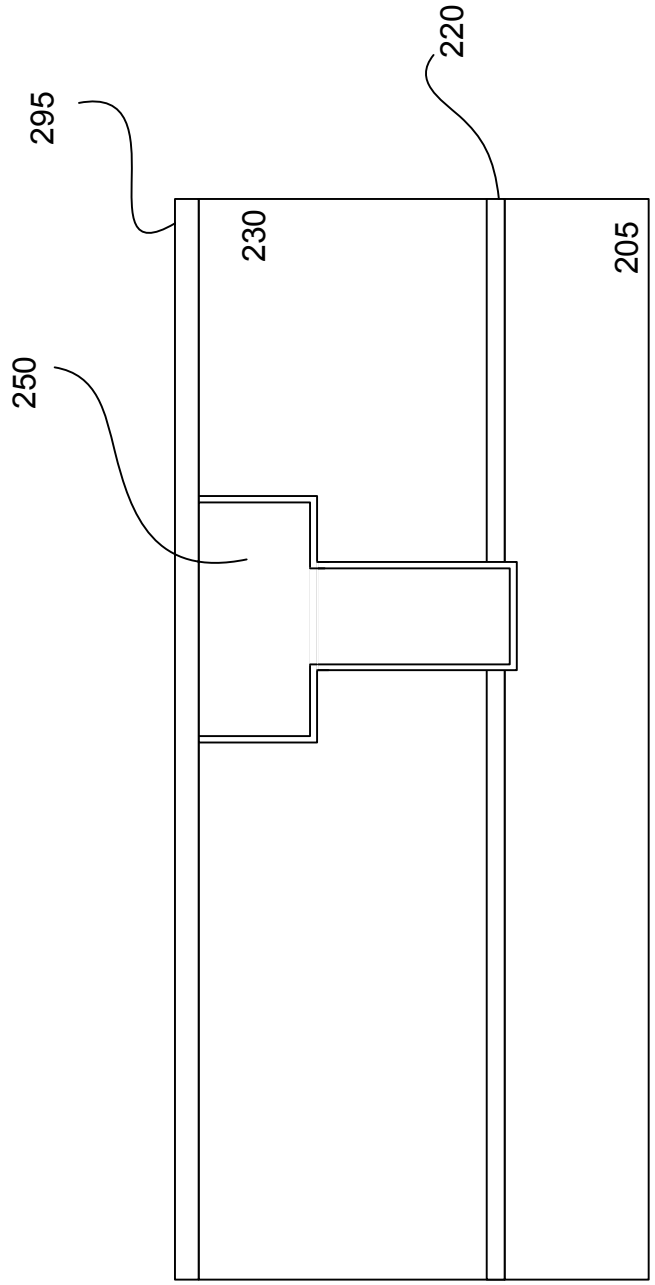


Fig. 2e

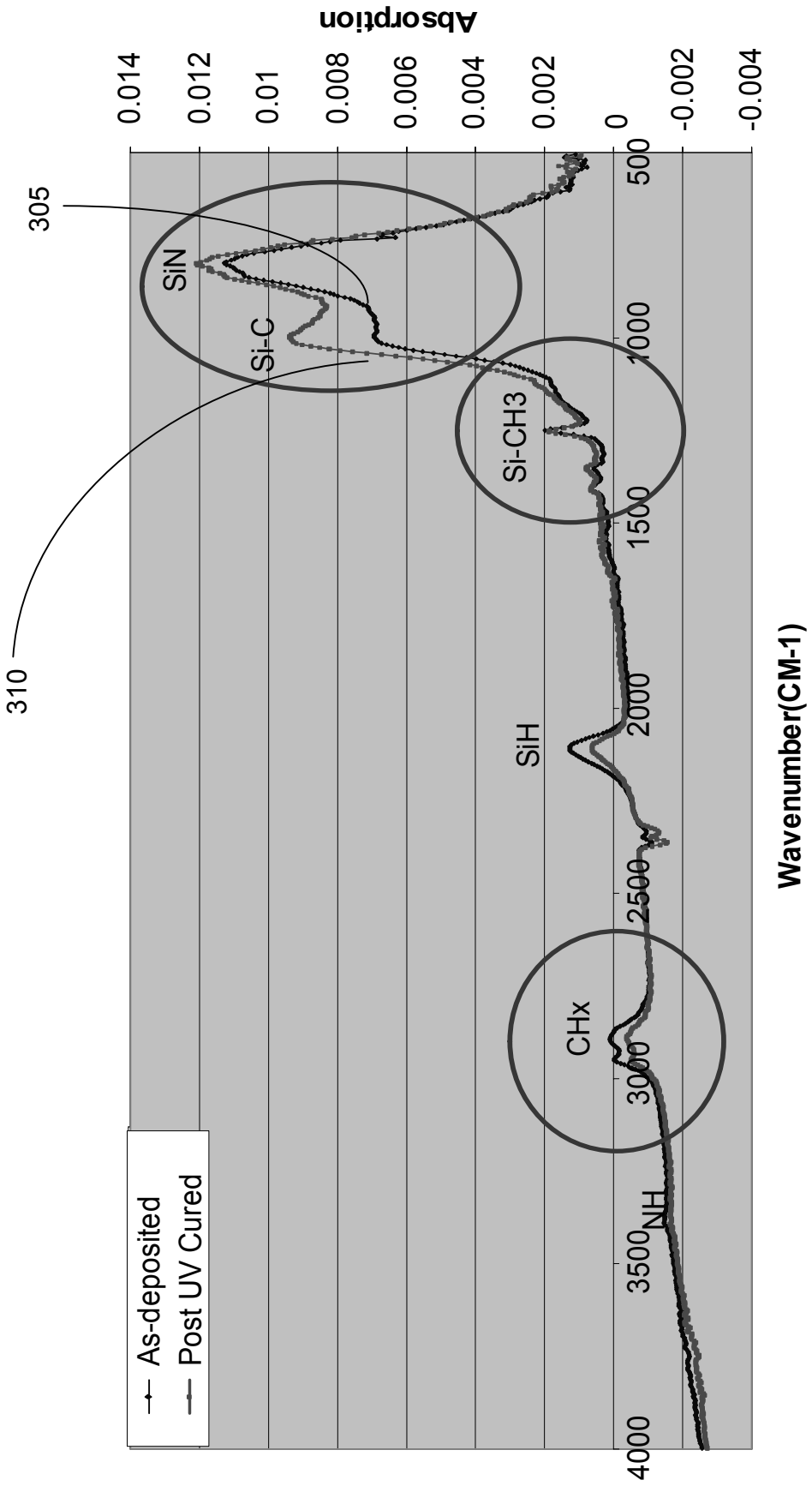

Absorption
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
-0.002
-0.004
500
1000
1500
2000
2500
3000
3500
4000
Wavenumber(CM-1)
305
310
SiN
Si-C
Si-CH3
SiH
CHx
NH
As-deposited
Post UV Cured

Fig. 3