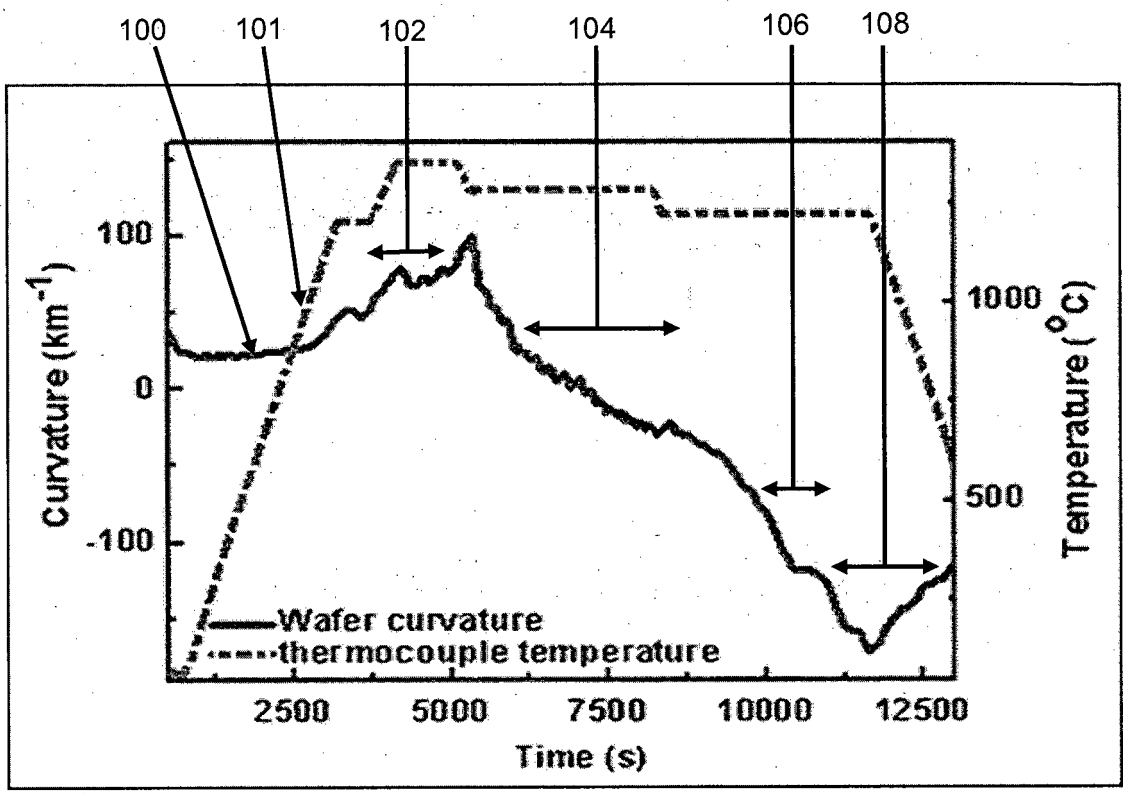

100
101
102
104
106
108
100
0
-100
Curvature (km^{-1})
1000
500
Temperature (^{o}C)
Wafer curvature
thermocouple temperature
2500
5000
7500
10000
12500
Time (s)

Fig. 1

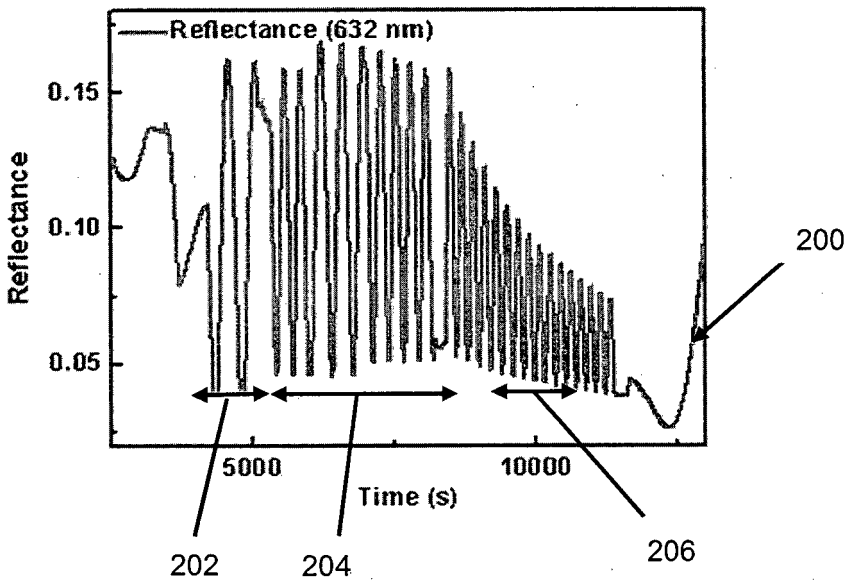

Reflectance (632 nm)
0.15
0.10
0.05
Reflectance
5000
10000
Time (s)
200
202
204
206

Fig. 2

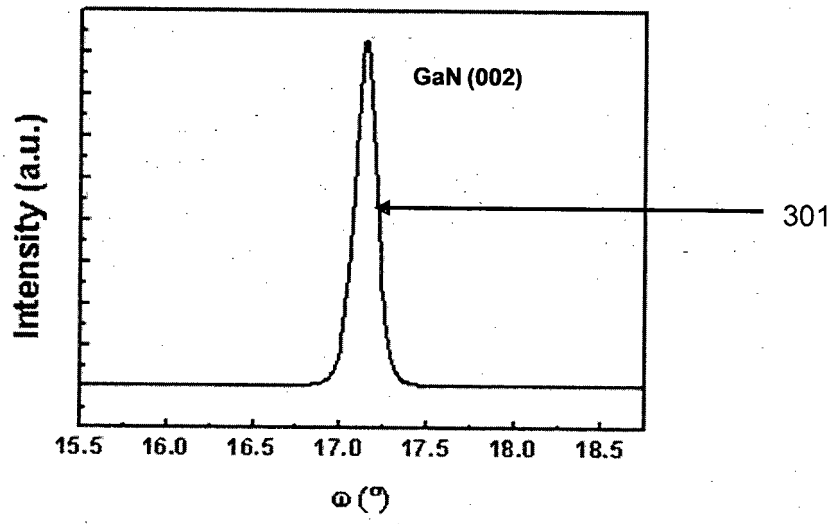

GaN (002)
Intensity (a.u.)
301
15.5
16.0
16.5
17.0
17.5
18.0
18.5
ω (°)

Fig. 3(a)

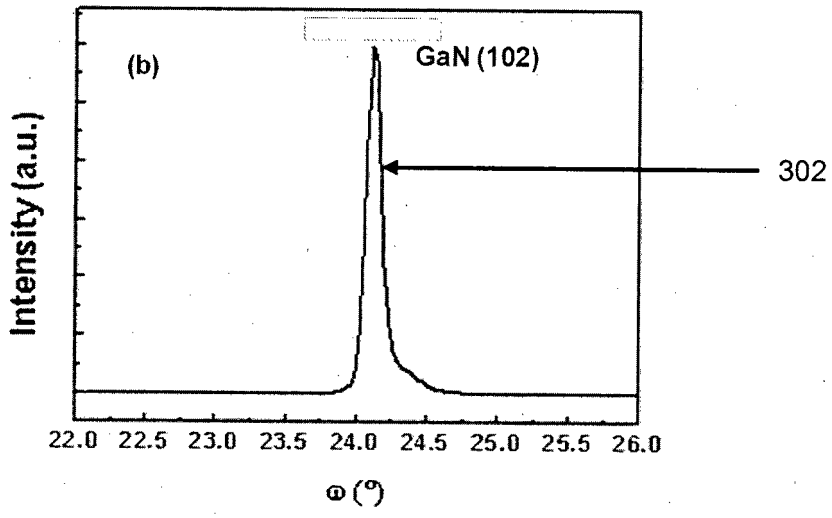

(b)
GaN (102)
Intensity (a.u.)
302
22.0
22.5
23.0
23.5
24.0
24.5
25.0
25.5
26.0
ω (°)

Fig 3(b)

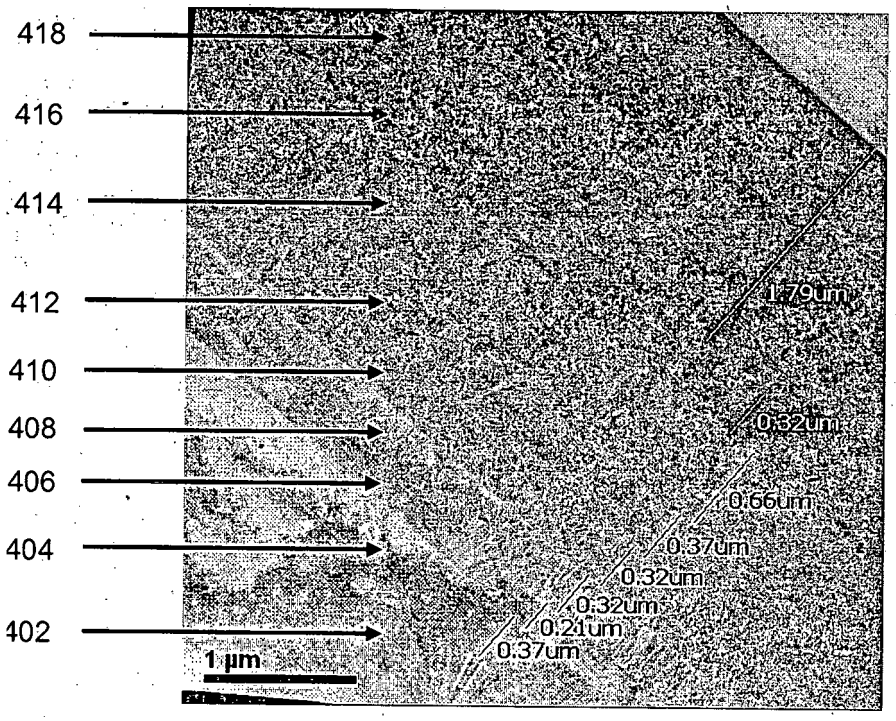

418
416
414
412
410
408
406
404
402
1 µm
1.79um
0.82um
0.66um
0.37um
0.32um
0.32um
0.21um
0.37um

Fig.4(a)

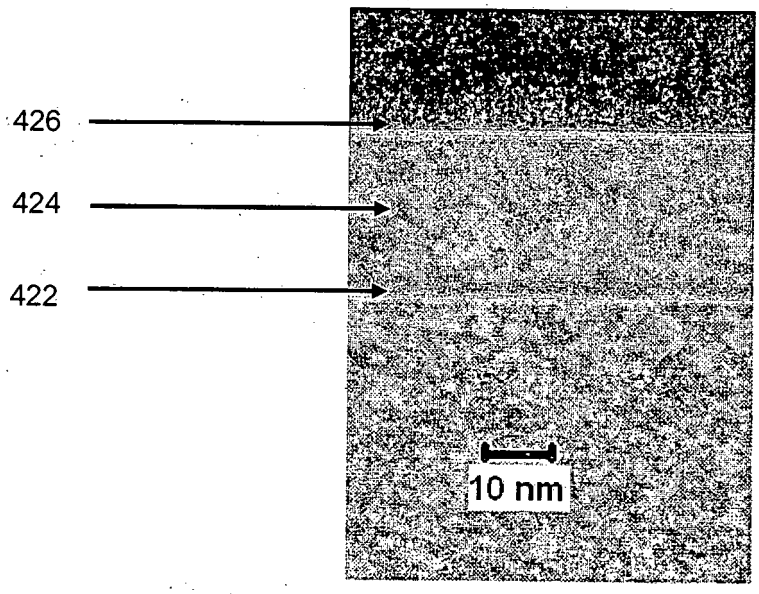

426
424
422
10 nm

Fig. 4(b)

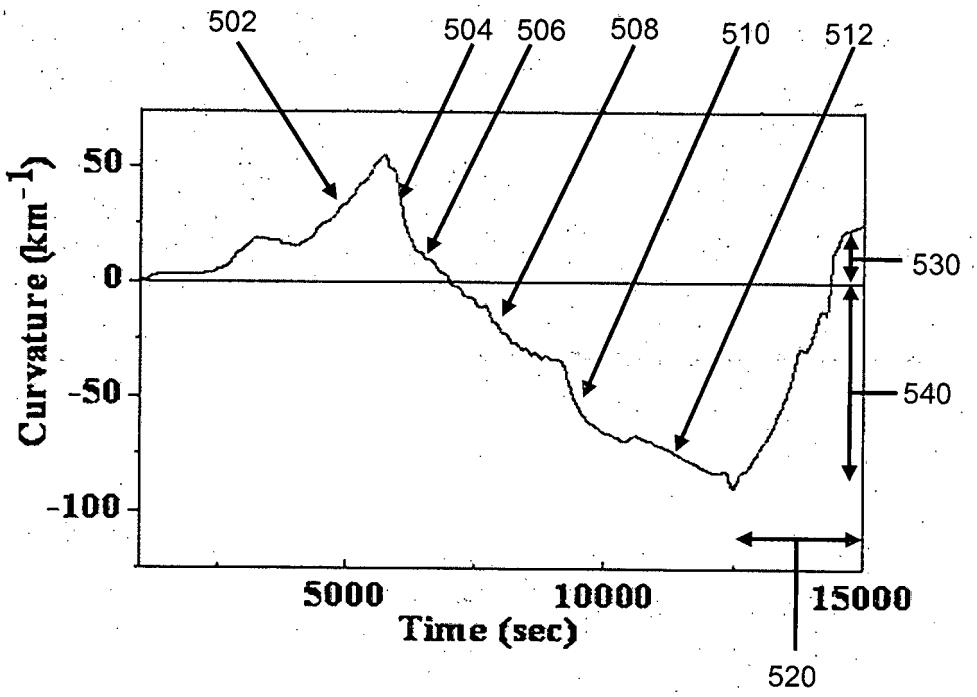


Fig. 5

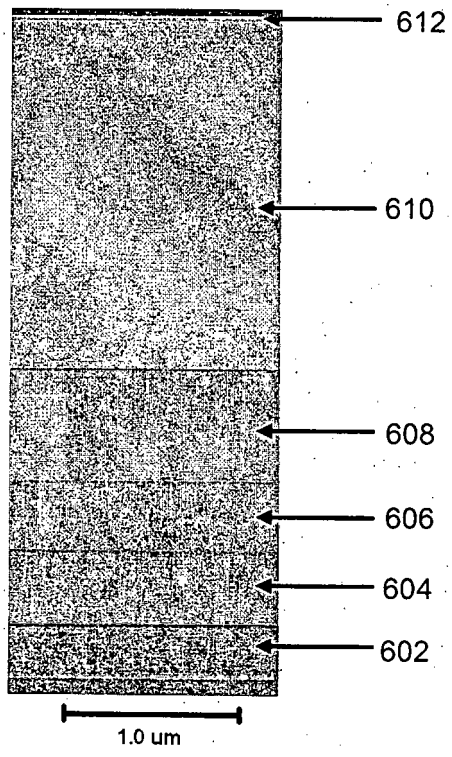


Fig. 6(a)

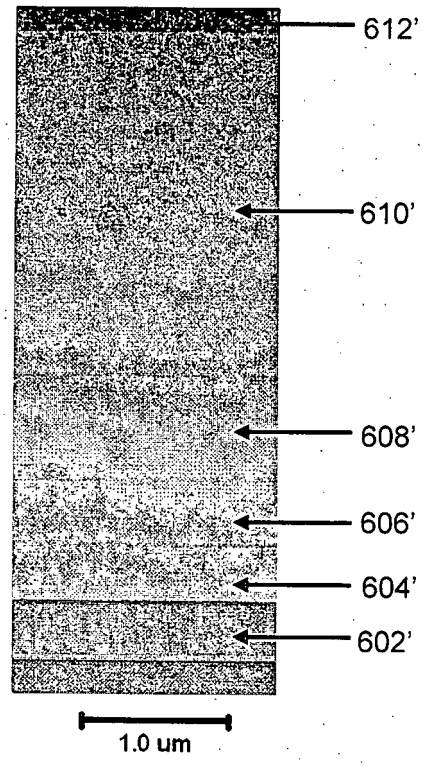


Fig. 6(b)