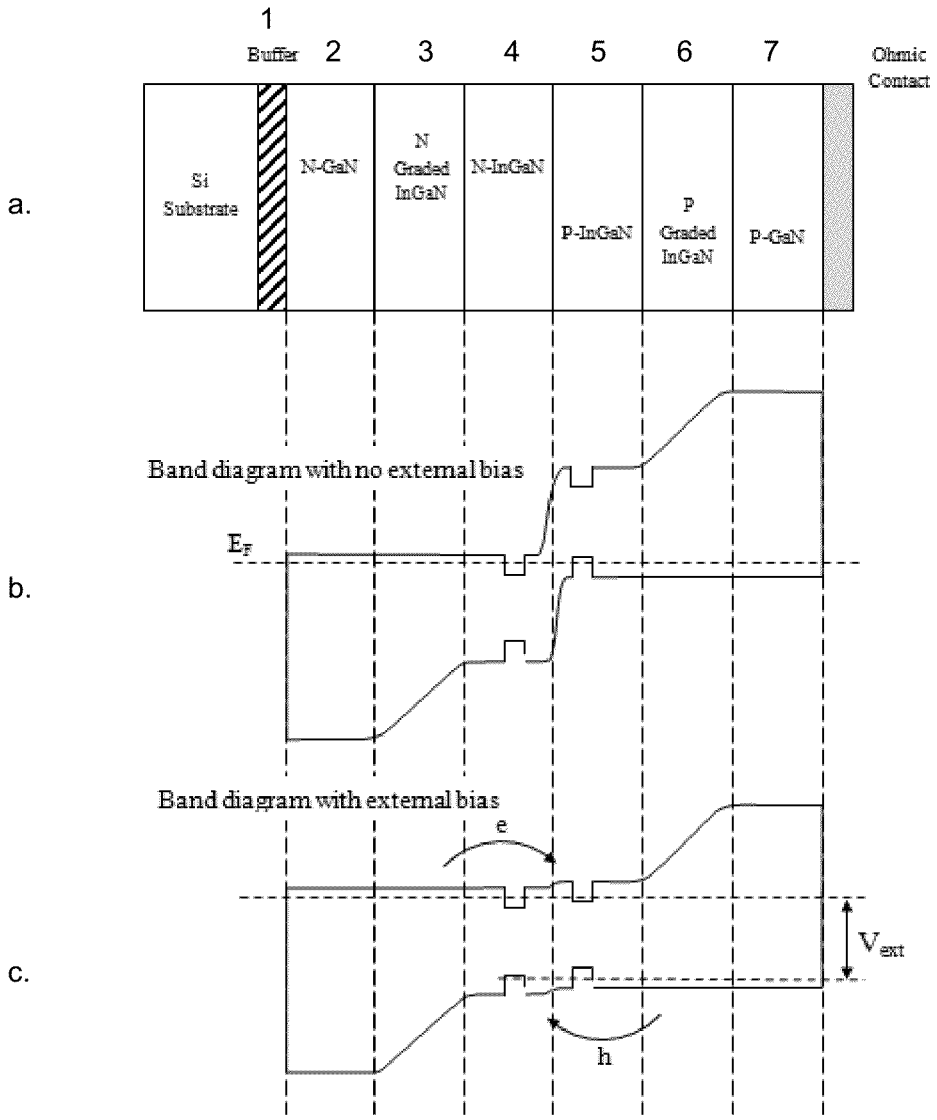
1
Buffer
2
3
4
5
6
7
Ohmic Contact
a.
Si Substrate
N-GaN
N Graded InGaN
N-InGaN
P-InGaN
P Graded InGaN
P-GaN
Band diagram with no external bias
$E_F$
b.
Band diagram with external bias
e
$V_{ext}$
c.
h

FIG. 1