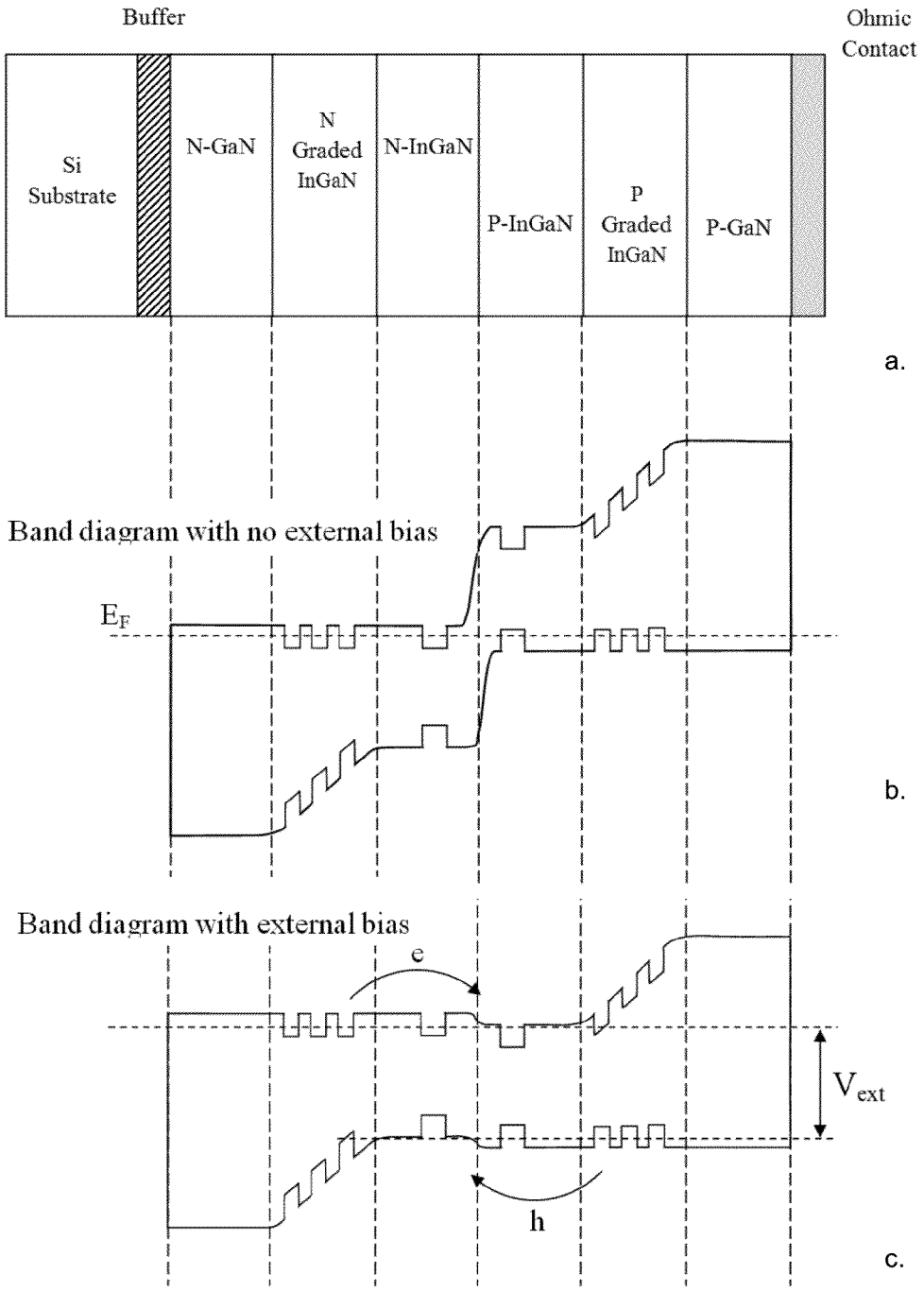
Buffer
Ohmic Contact
Si Substrate
N-GaN
N Graded InGaN
N-InGaN
P-InGaN
P Graded InGaN
P-GaN
a.
Band diagram with no external bias
E_F
b.
Band diagram with external bias
e
V_{ext}
h
c.

FIG. 4