

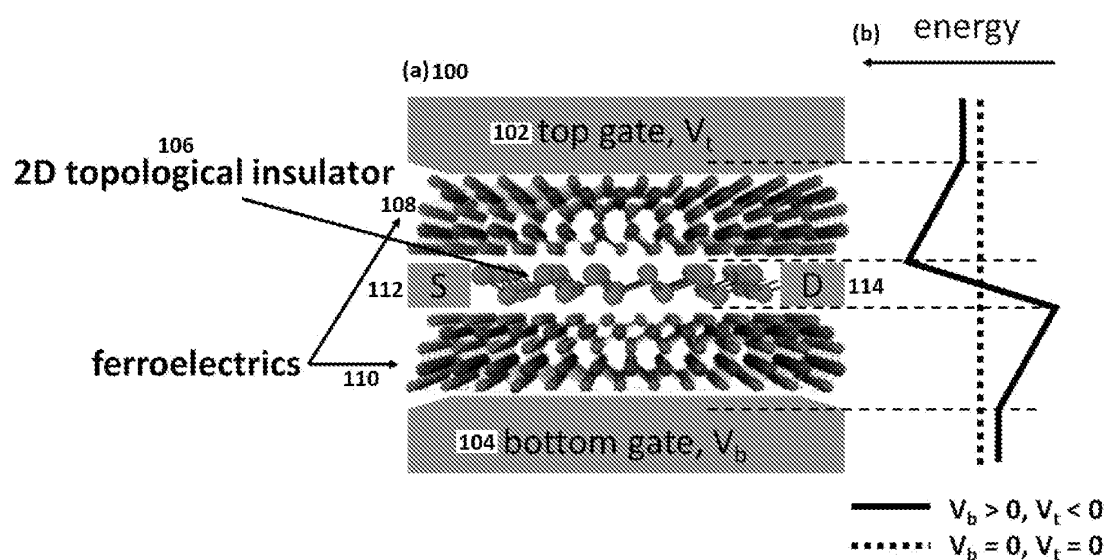
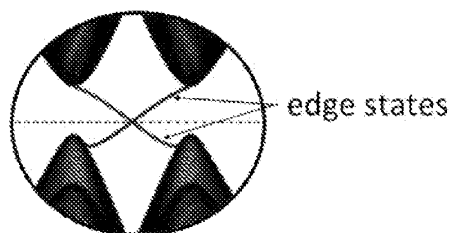


Figure 1

$V_b = 0; V_t = 0$ "ON"
topological insulator



$V_t < 0; V_b > 0$ "OFF"
conventional insulator

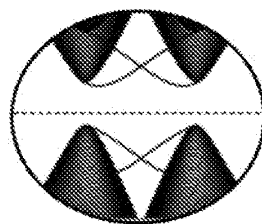


Figure 2

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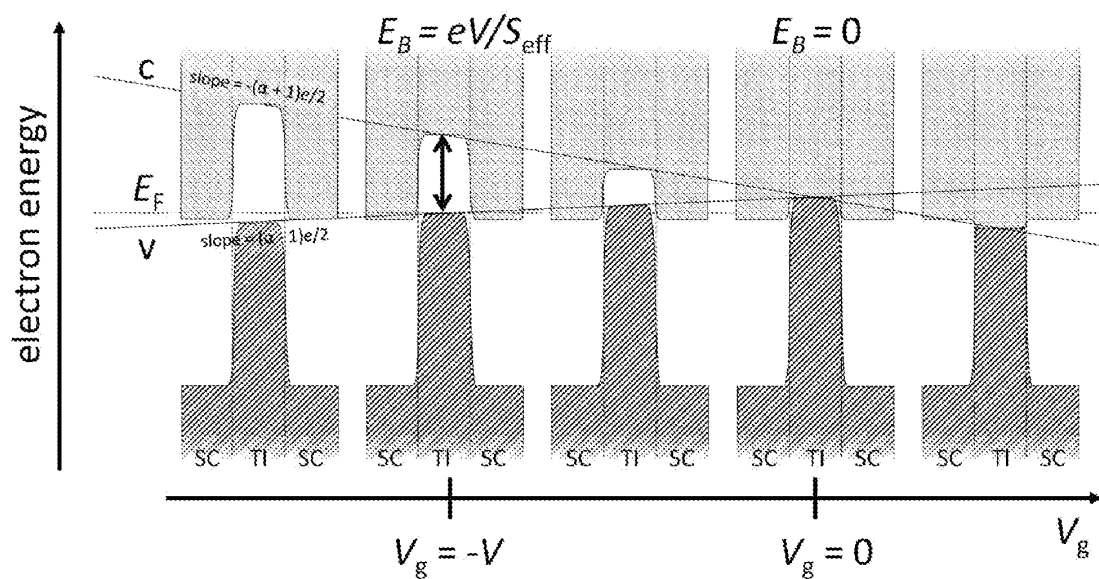


Figure 3

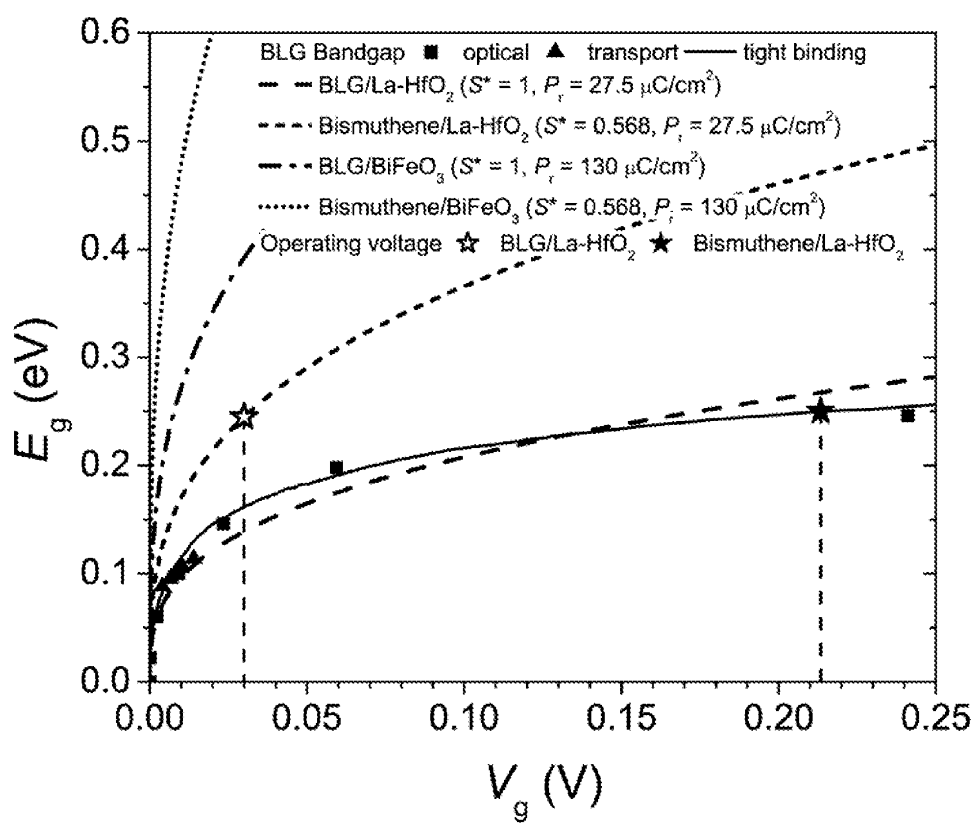


Figure 4