

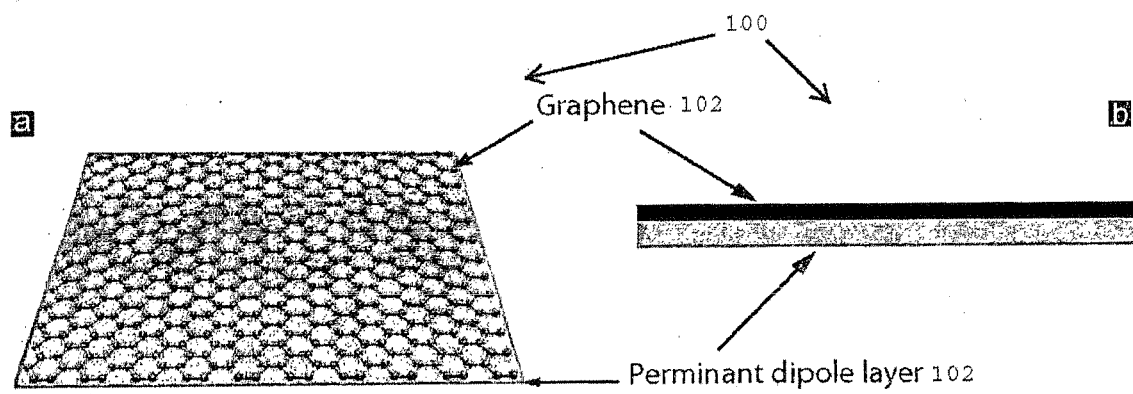


Figure 1

Permanent dipole layer on top of graphene

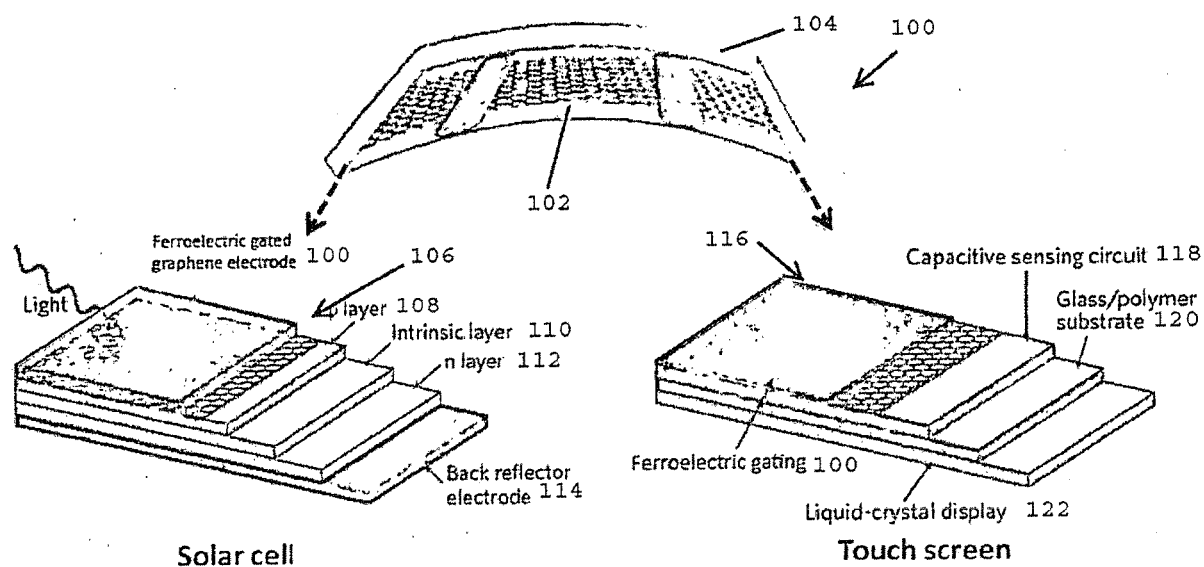


Figure 2(a)

Figure 2(b)

Permanent dipole layer underneath graphene

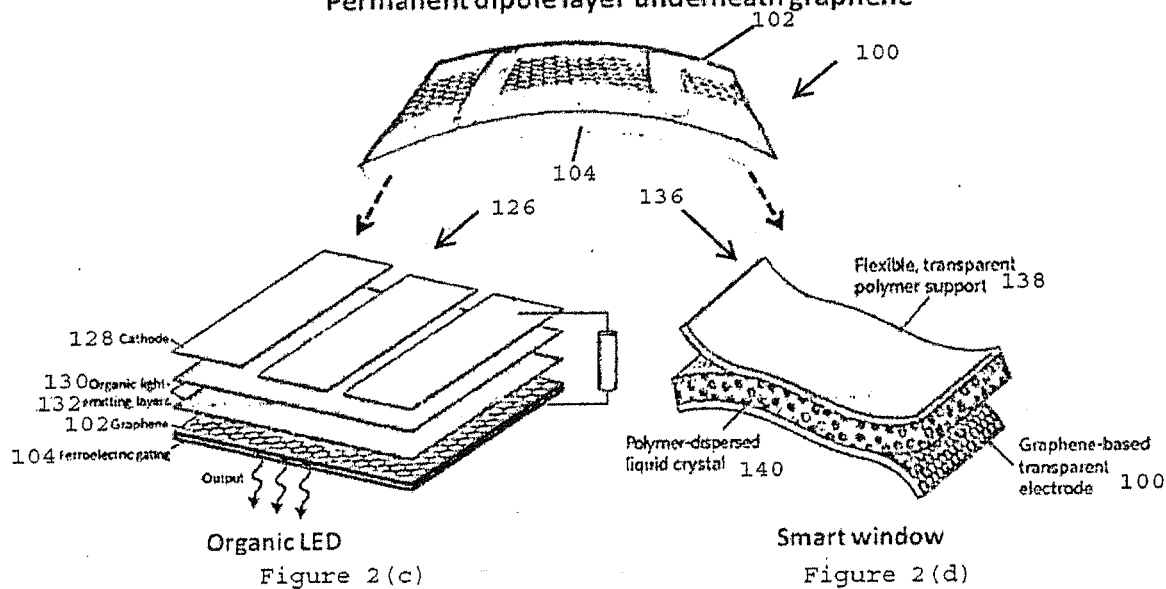


Figure 2(c)

Figure 2(d)

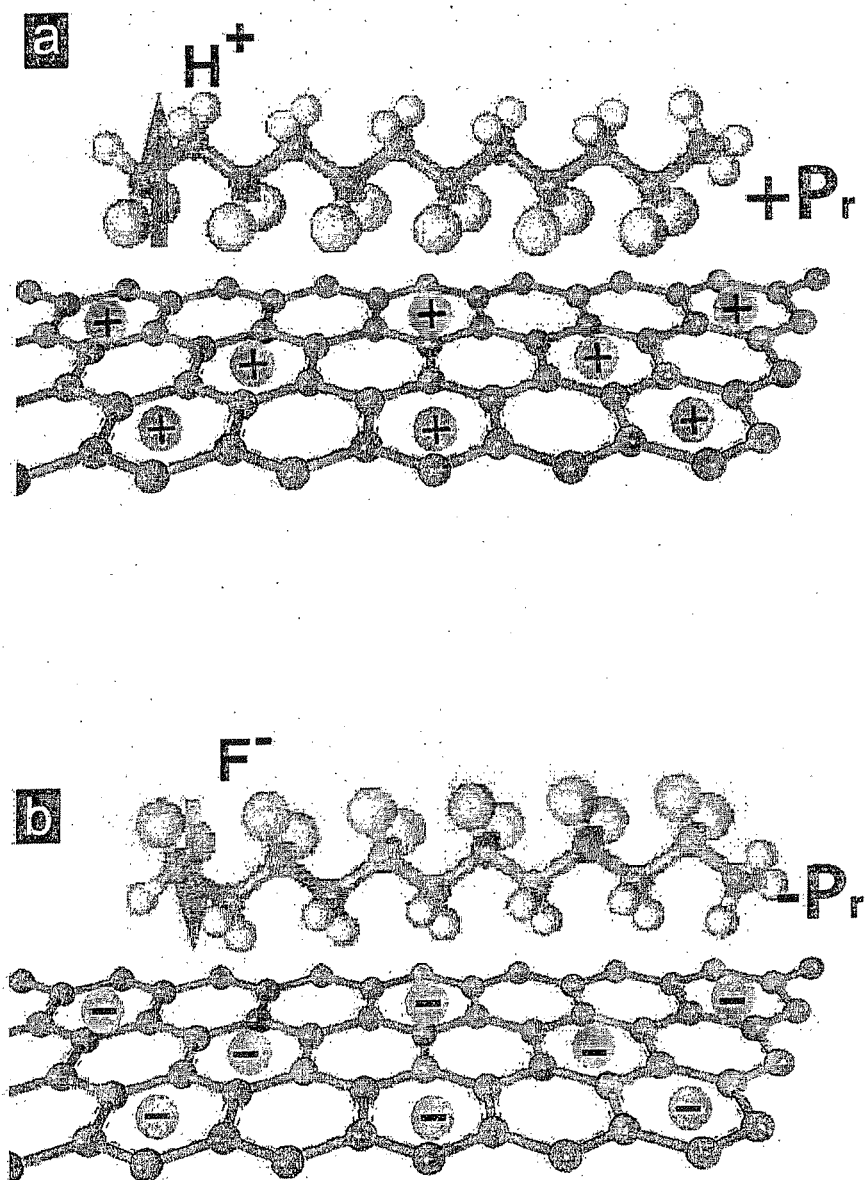


Figure 3

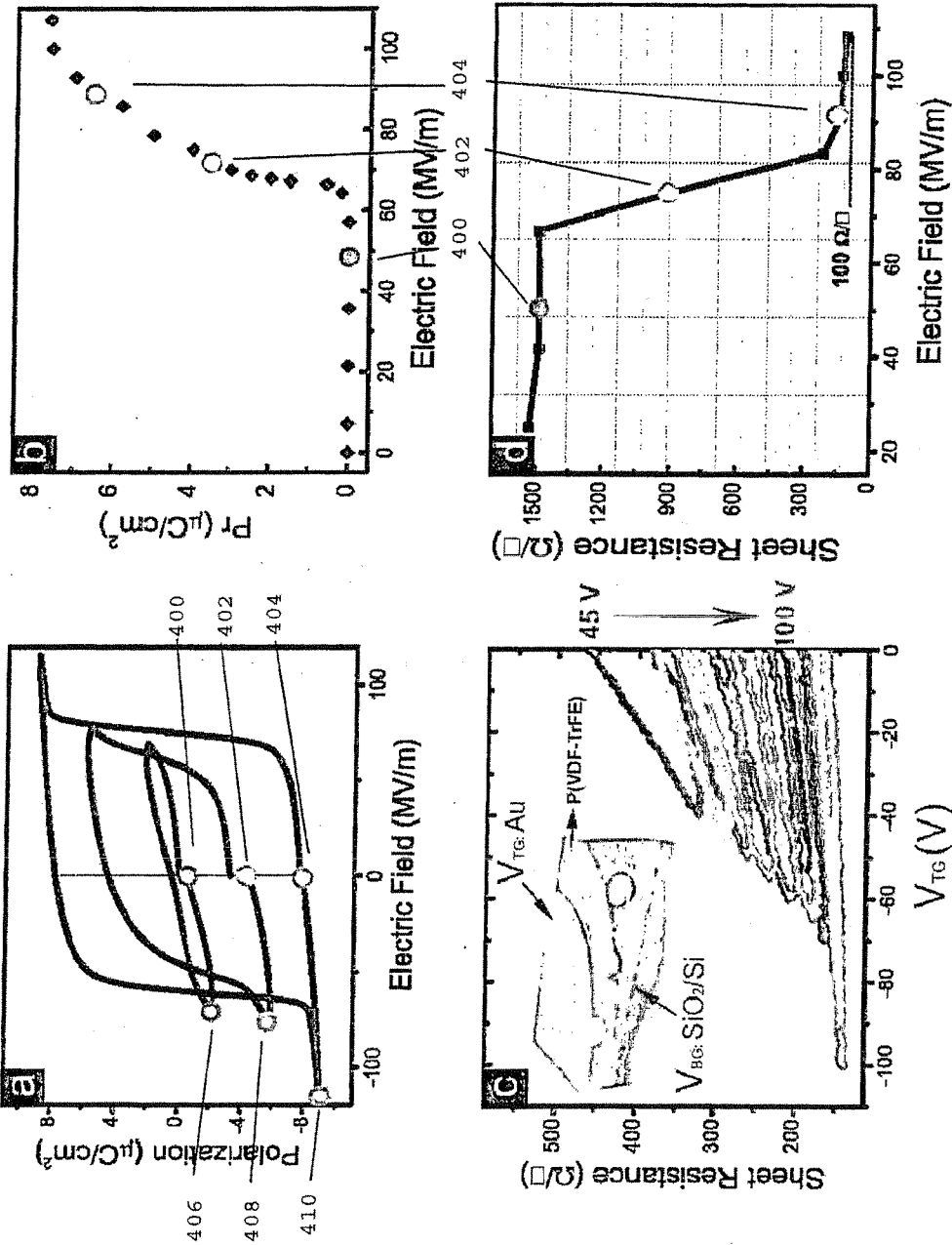


Figure 4

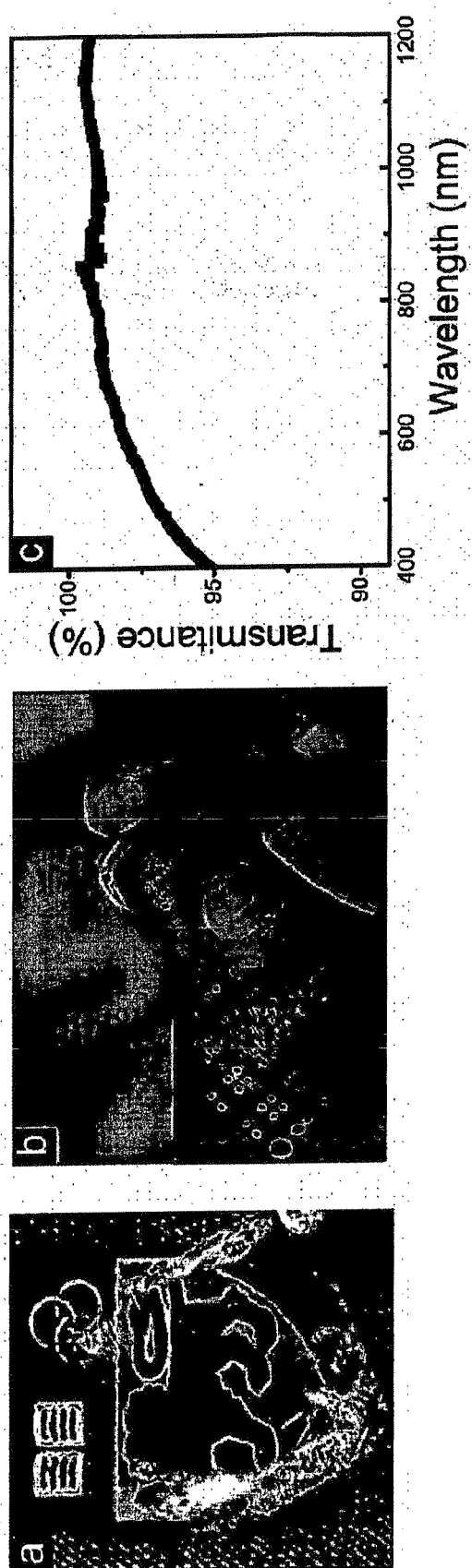


Figure 5

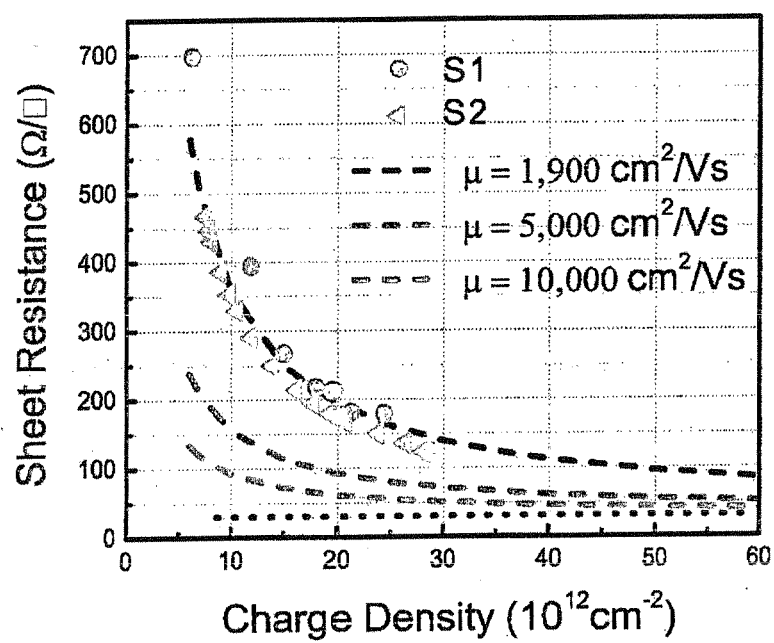


Figure 6

Figure 7 (a)

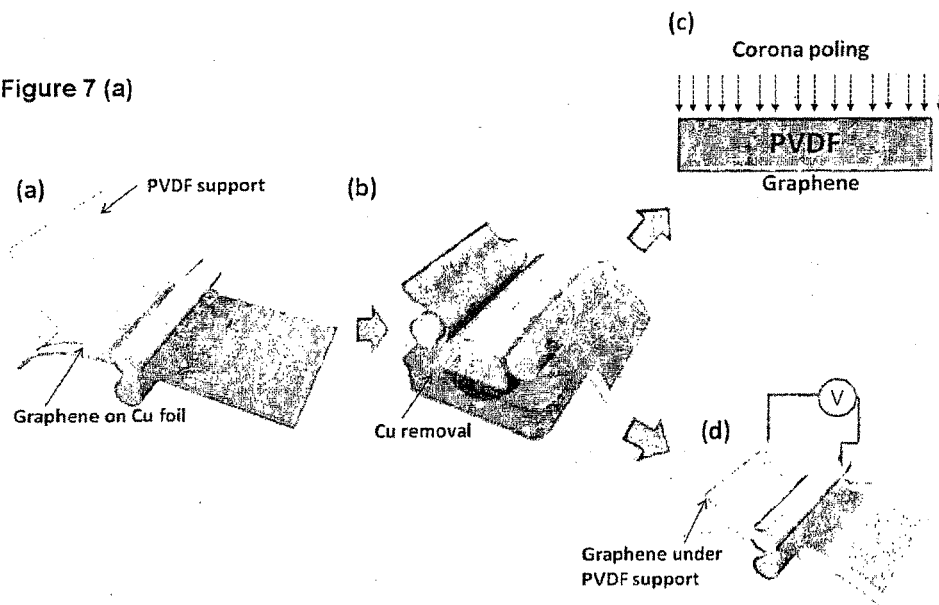


Figure 7 (b)

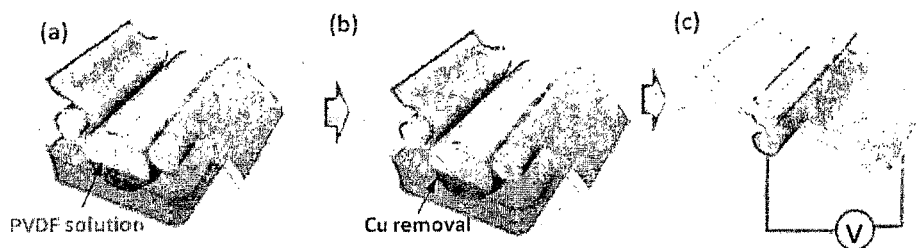


Figure 7 (c)

