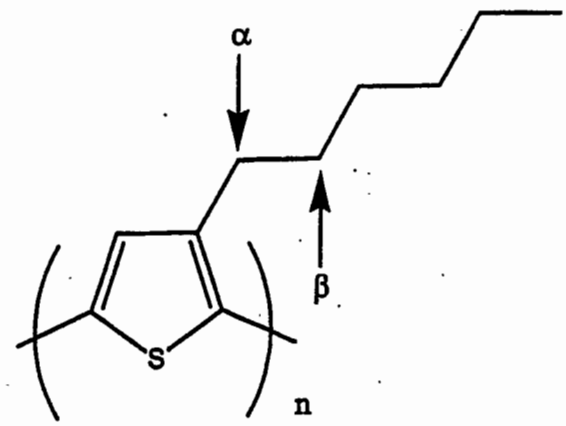


Figure 1.

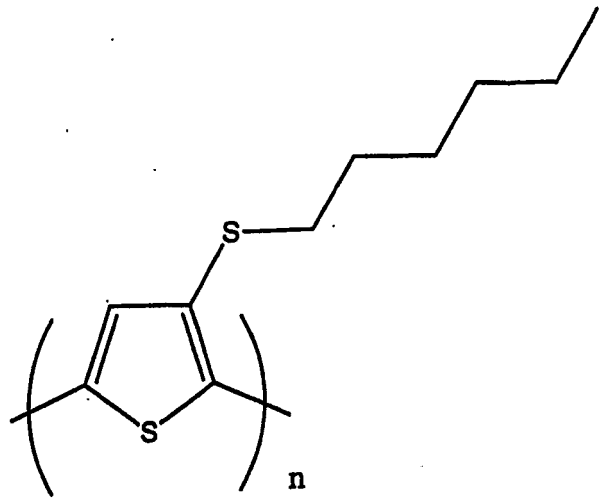


Figure 2.

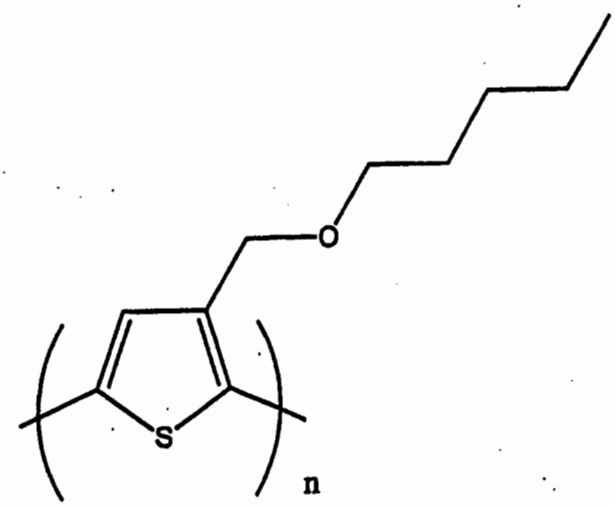


Figure 3.

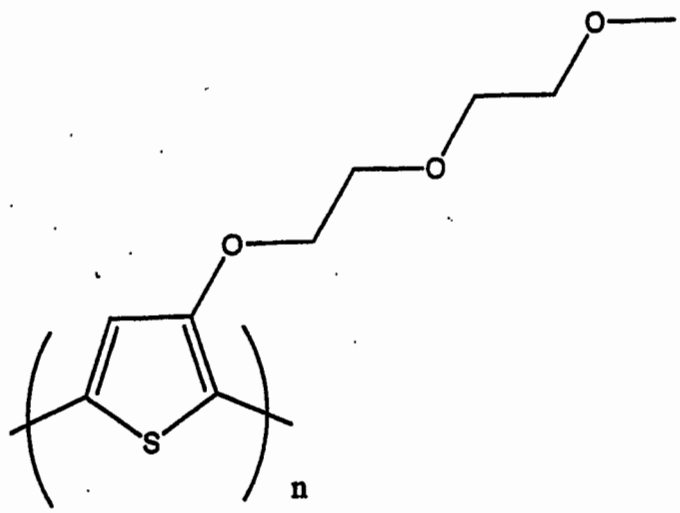


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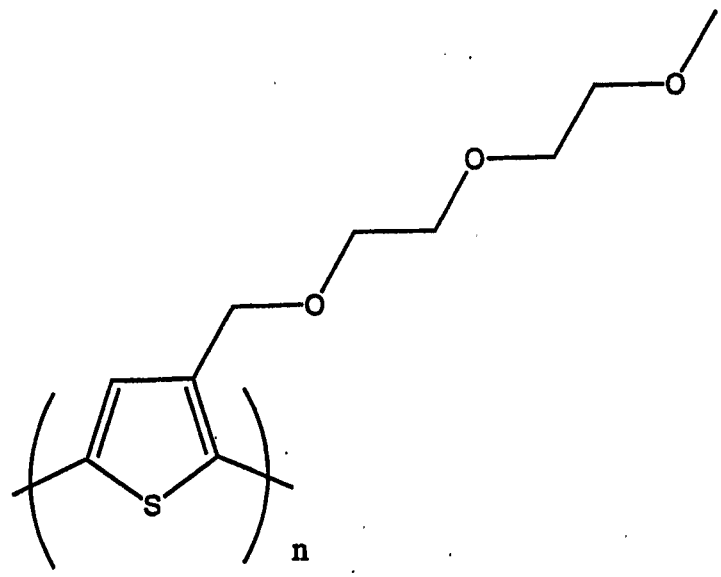
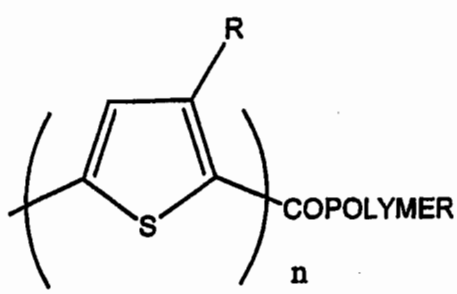
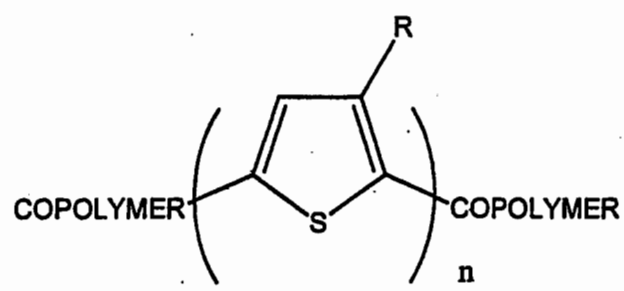


Figure 5.



(A)



(B)

Figure 6.

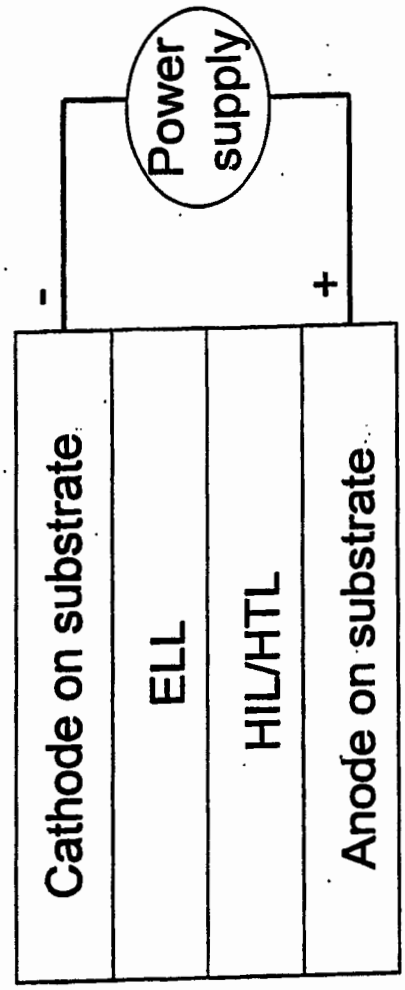

Power supply
-
+
Cathode on substrate
ELL
HIL/HTL
Anode on substrate

Figure 7

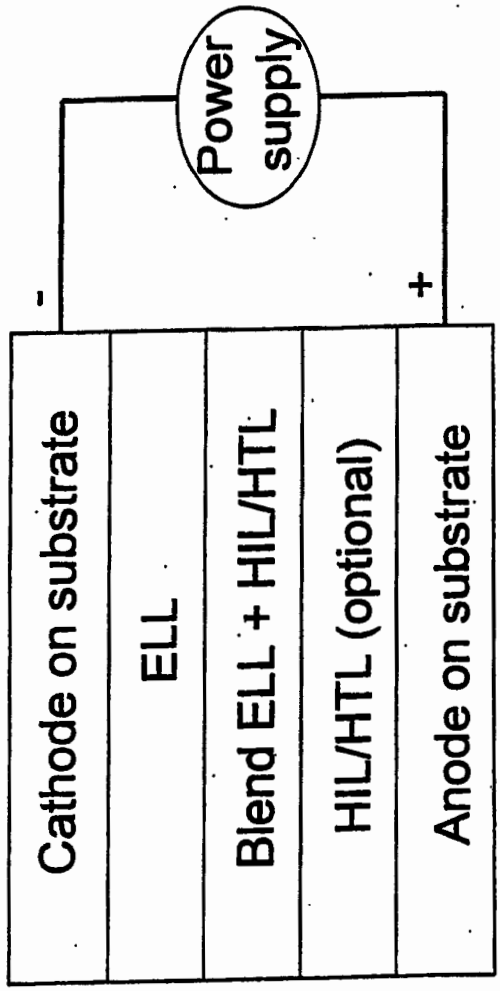

Power supply
-
+
Cathode on substrate
ELL
Blend ELL + HIL/HTL
HIL/HTL (optional)
Anode on substrate

Figure 8

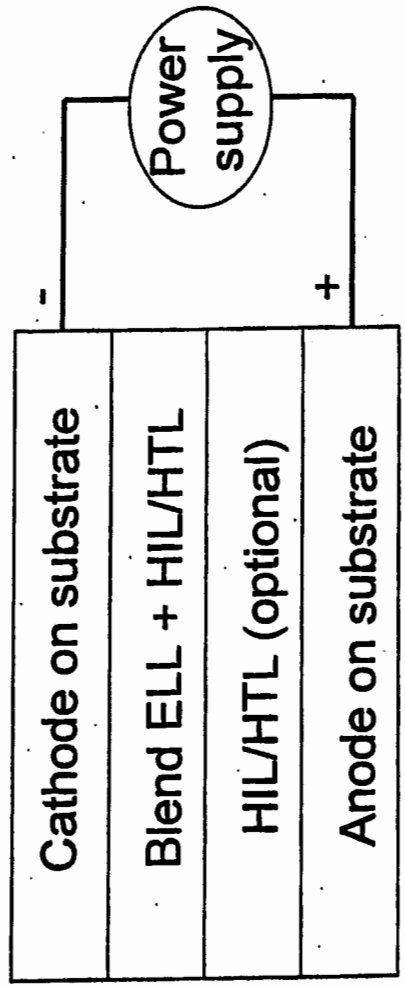

Power supply
-
+
Cathode on substrate
Blend ELL + HIL/HTL
HIL/HTL (optional)
Anode on substrate

Figure 9

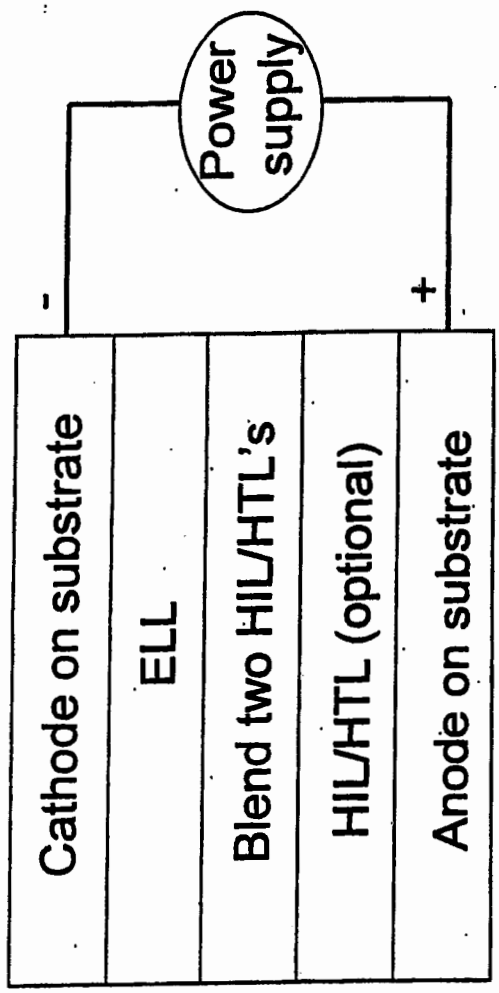

Power supply
-
+
Cathode on substrate
ELL
Blend two HIL/HTL's
HIL/HTL (optional)
Anode on substrate

Figure 10

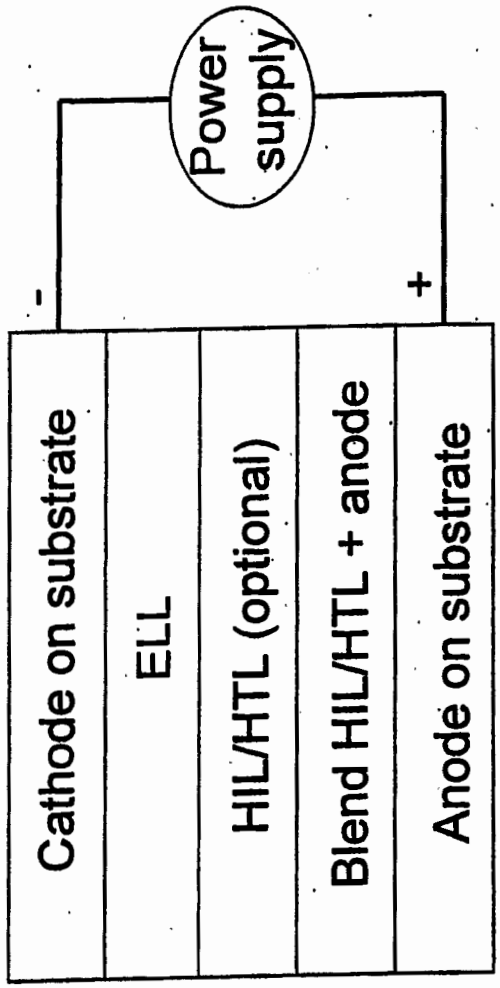

Power supply
-
+
Cathode on substrate
ELL
HIL/HTL (optional)
Blend HIL/HTL + anode
Anode on substrate

Figure 11

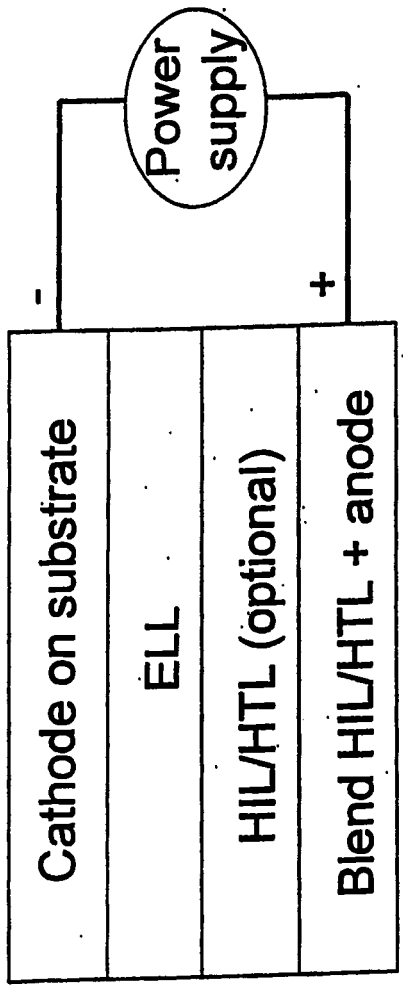

Power supply
-
+
Cathode on substrate
ELL
HIL/HTL (optional)
Blend HIL/HTL + anode

Figure 12

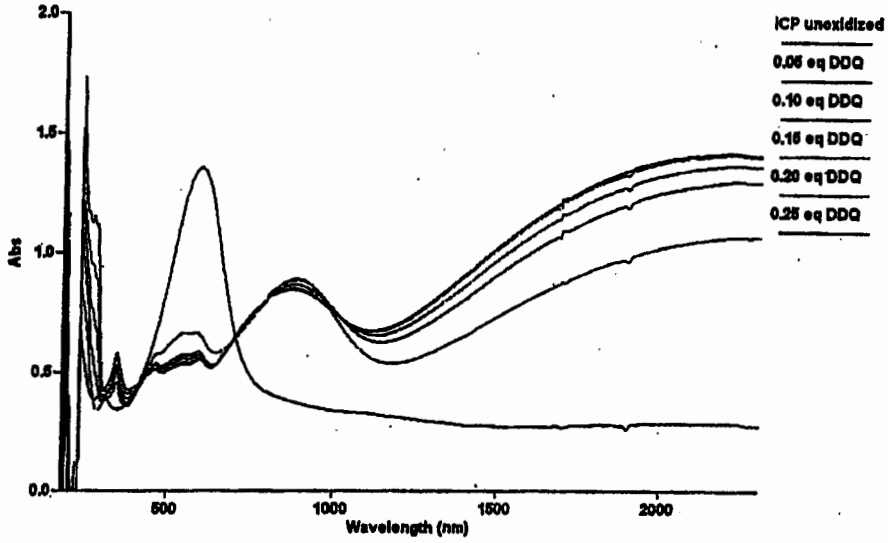

2.0
1.5
1.0
0.5
0.0
Abs
500
1000
1500
2000
Wavelength (nm)
ICP unoxidized
0.05 eq DDQ
0.10 eq DDQ
0.15 eq DDQ
0.20 eq DDQ
0.25 eq DDQ

Figure 13.

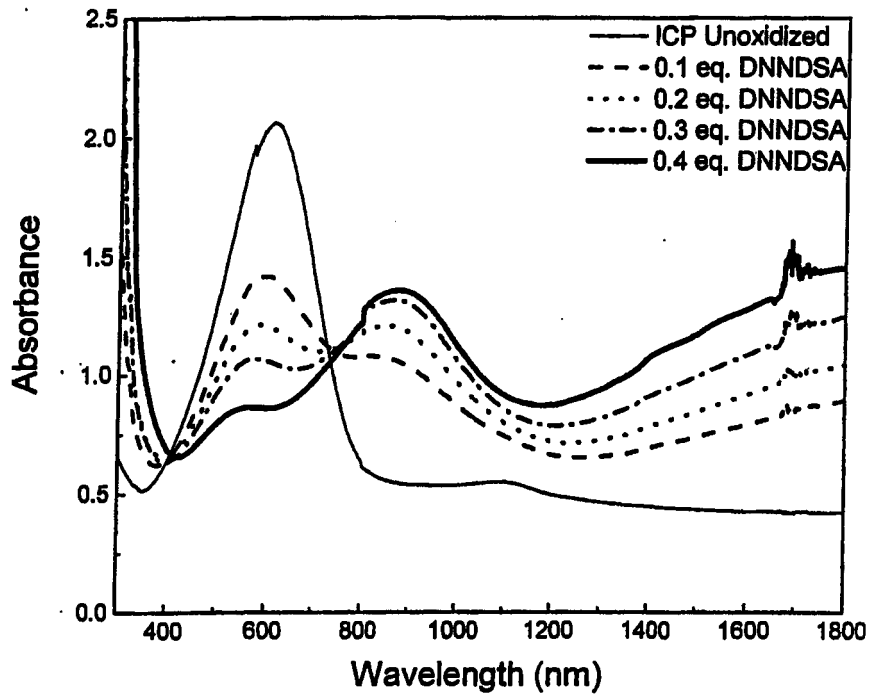

ICP Unoxidized
0.1 eq. DNNDSA
0.2 eq. DNNDSA
0.3 eq. DNNDSA
0.4 eq. DNNDSA
Absorbance
Wavelength (nm)
2.5
2.0
1.5
1.0
0.5
0.0
400
600
800
1000
1200
1400
1600
1800

Figure 14:

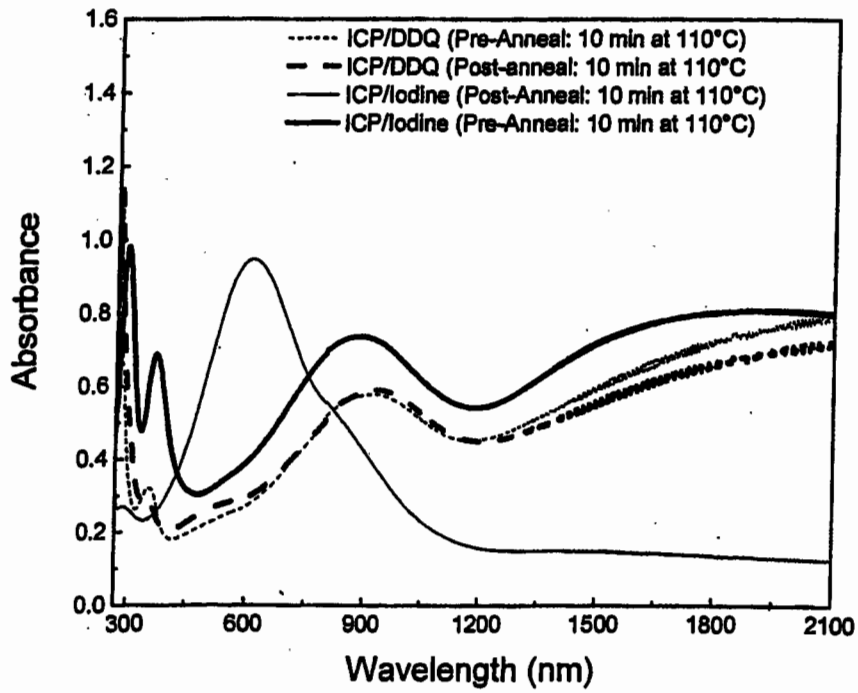

ICP/DDQ (Pre-Anneal: 10 min at 110°C)
ICP/DDQ (Post-anneal: 10 min at 110°C
ICP/Iodine (Post-Anneal: 10 min at 110°C)
ICP/Iodine (Pre-Anneal: 10 min at 110°C)
Absorbance
Wavelength (nm)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
300
600
900
1200
1500
1800
2100

Figure 15: