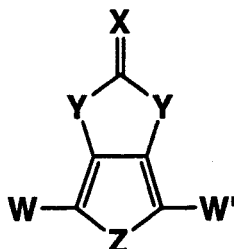


ABSTRACT OF THE DISCLOSURE

A method of making a compound of the formula shown below is disclosed:



- 5 wherein Z is Se or S; Y is NH or O; X is O or S and W and W' are independently selected from the group consisting of hydrogen, $-C=ONH_2$, $-C=ONHR'$, $-C=ONR'R'$, $-C\equiv N$, and R' is C_{1-6} alkyl and the resultant monomer compounds. The method includes contacting a 3,4-disubstituted thiophene or selenophene or disubstituted thiophene or selenophene derivatives with a carbonyl or thiocarbonyl containing compound selected from the group
- 10 consisting of ureas, thioureas, carbonate esters, thionocarbonates, thiocarbonate esters, or orthocarbonates. The monomer compounds are suitable for forming polymers for use in a wide range of electronic applications.

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