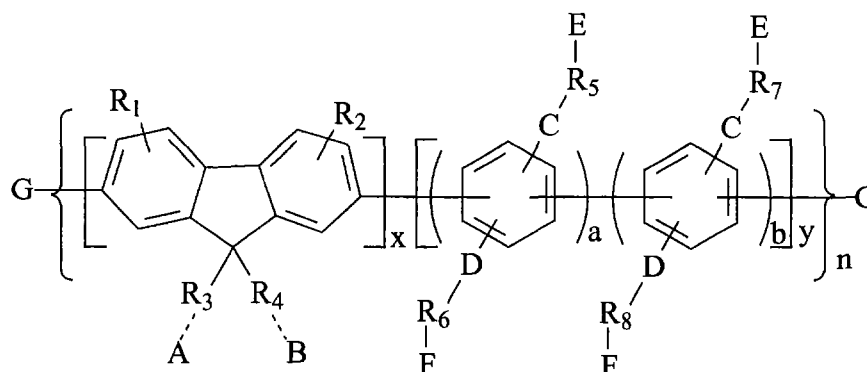


Abstract

Conjugated polymers of the formula:



wherein:

- 5 • R_1 and R_2 are identical or different and are each H, a straight or branched alkyl, alkoxy, ester groups or cyclic crown ether groups having from 1 to about 22 carbon atoms;
- A, B, E and F are identical or different and are each H, Si R'R'' or NR'R''(but can not all be H or SiR'R''); R', and R'' are independently
10 selected from the group consisting of hydrogen, unbranched or branched alkyl or alkoxy groups having 1 to about 12 carbon atoms, (C3 to C10) cycloalkyl groups;
- C and D are identical or different and are each H (but can not both be H), O, S, CO, COO, CRR', NR', Si R'R'', wherein R' and R'' are as defined
15 above;
- R_3 , R_4 , R_5 , R_6 , R_7 and R_8 are identical or different and are independently selected from linear or branched or cyclical saturated or unsaturated aliphatic moieties which may contain one or more heteroatoms and which may contain one or more aromatic groups, substituted or unsubstituted
20 aromatic moieties;
- G is hydrogen, halogen, boronic acid, boronate radical or an aryl moiety;
- a and b are independent and each is a number from 0 to about 100;

- x and y are also independent and each is a number from 0 to about 100;
and
- n is a number from 1 to about 1000.

5 [No Suitable Figure]