

Title (en)

CONJUGATED POLYMERS WITH HETERO SPIRO-ATOMS AND THEIR USE AS ELECTROLUMINESCENT MATERIALS

Title (de)

KONJUGIERTE POLYMERE MIT HETERO-SPIROATOMEN UND IHRE VERWENDUNG ALS ELEKTROLUMINESZENZMATERIALIEN

Title (fr)

POLYMERES CONJUGUES A HETERO-SPIRO-ATOMES ET LEUR UTILISATION COMME MATERIAUX ELECTROLUMINESCENTS

Publication

EP 0894124 A1 19990203 (DE)

Application

EP 97918116 A 19970407

Priority

- DE 19615128 A 19960417
- EP 9701716 W 19970407

Abstract (en)

[origin: DE19615128A1] A conjugated polymer containing recurrent unit of the formula (I) in which PSI is an element of the 4th main group of the periodic system except for carbon; D, E, F<1>, G are the same or different, and mean -CR<1>R<2>-, -O-, -S-, -NR<3>- or a chemical bond; U<1> is -CR<4>=CR<5>- or a chemical bond; V<1> means U or is -CR<1>R<2>-, -O-, -S-, -NR<3>-, -SiR<1>R<2>-, -SO2-, -SO-, -CO-; A is the same or different and means H, a C1-C20 hydrocarbon radical which may also contain a heteroatom; T is -O-, -S-, -NR<3>-, -CR<1>R<2>-, -CH=N-, -CA=CA-, -CH=CA-, -CH=CF- or -CF=CF-; K, Q are the same or different and are hydrocarbon radicals which may contain heteroatoms and are characterised by conjugated electron systems; M, L are H or a straight or branched-chain alkyl group with 1 to 22 C atoms, Br, Cl, F, CN, NO2 or CF3; m, n are the same or different and are 0, 1, 2, 3 or 4; said polymers are suitable as electroluminescent materials.

IPC 1-7

C09K 11/06; **C08G 61/00**

IPC 8 full level

C08G 61/00 (2006.01); **C08G 61/12** (2006.01); **C08G 73/06** (2006.01); **C09K 11/06** (2006.01); **H01L 51/50** (2006.01); **H05B 33/10** (2006.01)

CPC (source: EP US)

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