

Title (en)  
ORGANIC ELECTRONIC COMPONENT, USE OF A ZINC COMPLEX AS A P-DOPANT FOR ORGANIC ELECTRONIC MATRIX MATERIALS

Title (de)  
ORGANISCHES ELEKTRONISCHES BAUTEIL, VERWENDUNG EINES ZINKKOMPLEXES ALS P-DOTIERUNGSMITTEL FÜR ORGANISCHE ELEKTRONISCHE MATRIXMATERIALIEN

Title (fr)  
COMPOSANT ÉLECTRONIQUE ORGANIQUE, UTILISATION D'UN COMPLEXE DE ZINC COMME DOPANT P POUR MATÉRIAU DE MATRICE ÉLECTRONIQUE ORGANIQUE

Publication  
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Application  
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Abstract (en)  
[origin: WO2016050705A1] The invention relates to an organic electronic component having a matrix containing a zinc complex as a p-dopant, said zinc complex in turn containing at least one ligand L of the following structure: formula (I) wherein R1 and R2 can be oxygen, sulphur, selenium, NH or NR4 independently from one another, wherein R4 is selected from the group containing alkyl or aryl and which can be bonded to R3, and wherein R3 is selected from the group containing alkyl, long-chain alkyl, cycloalkyl, halogen-alkyl, aryl, arylene, halogen-aryl, heteroaryl, heteroarylene, heterocyclic-alkylene, heterocycloalkyl, halogen-heteroaryl, alkenyl, halogen-alkenyl, alkynyl, halogen-alkynyl, ketoaryl, halogen-ketoaryl, ketoheteroaryl, ketoalkyl, halogen-ketoalkyl, ketoalkenyl, halogen-ketoalkenyl, halogen-alkyl-aryl, halogen-alkyl-heteroaryl, wherein, for suitable groups, one or a number of non-adjacent CH2-groups can be replaced by -O-, -S-, -NH-, -NR° ° °-, -SiR° R° °-, -CO-, -COO-, -COR° OR° °-, -OCO-, -OCO-O-, -SO2-, -S-CO-, -CO-S-, -O-CS-, -CS-O-, -CY1=CY2 or -C≡C- independently from one another, and in such a way that O and/or S atoms are not directly bonded to one another, and are replaced optionally with aryl- or heteroaryl preferably containing between 1 and 30 C atoms (terminal CH3 -groups are understood to be CH2 -groups in the sense of CH2 -H).

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