

Title (en)

COMPOUND, METHOD FOR PREPARING THE SAME, ORGANIC SEMICONDUCTING LAYER, ORGANIC ELECTRONIC DEVICE, DISPLAY DEVICE AND LIGHTING DEVICE COMPRISING THE SAME

Title (de)

VERBINDUNG, VERFAHREN ZUR HERSTELLUNG DAVON, ORGANISCHE HALBLEITENDE SCHICHT, ORGANISCHE ELEKTRONISCHE VORRICHTUNG, ANZEIGEVORRICHTUNG UND BELEUCHTUNGSVORRICHTUNG DAMIT

Title (fr)

COMPOSÉ, SON PROCÉDÉ DE PRÉPARATION, COUCHE SEMI-CONDUCTRICE ORGANIQUE, DISPOSITIF ÉLECTRONIQUE ORGANIQUE, DISPOSITIF D'AFFICHAGE ET DISPOSITIF D'ÉCLAIRAGE LE COMPRENANT

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Application

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Abstract (en)

[origin: EP3556746A1] The present invention relates to a compound of Formula (I) wherein Ar is selected from substituted or unsubstituted Cto Cheteroaryl and the group Ar is bound to the remaining structure represented by Formula (I) via one of its carbon atoms; Ar is selected from the group consisting of substituted or unsubstituted Cto Caryl and substituted or unsubstituted Cto Cheteroaryl comprising at least one heteroatom selected from O, S and Se, wherein the heteroaryl group comprising at least one heteroatom selected from O, S and Se is bound to the remaining structure represented by Formula (I) via one of its carbon atoms; Ar is selected from the group consisting of substituted or unsubstituted Cto Caryl and substituted or unsubstituted Cto Cheteroarylene, wherein it is provided that the group Ar comprises not more than three fused rings; wherein, in case that one or more of Ar, Ar and Ar is substituted, the substituents are each independently selected from the group consisting of D, F, Cto Clinear alkyl, Cto Cbranched alkyl, Cto Ccyclic alkyl, Cto Clinear alkoxy, Cto Cbranched alkoxy, linear fluorinated Cto Calkyl, linear fluorinated Cto Calkoxy, Cto Cbranched fluorinated cyclic alkyl, Cto Cfluorinated cyclic alkyl, Cto Cfluorinated cyclic alkoxy, CN, RCN, Cto Caryl, C2 to Cheteroaryl, OR, SR, (C=O)R, (C=O)NR, SiR, (S=O)R, (S=O)R, (P=O)R; wherein each R is independently selected from Cto Clinear alkyl, Cto Calkoxy, Cto Cthioalkyl, Cto Cbranched alkyl, Cto Ccyclic alkyl, Cto Cbranched alkoxy, Cto Ccyclic alkoxy, Cto Cbranched thioalkyl, Cto Ccyclic thioalkyl, Cto Caryl and Cto Cheteroaryl; and wherein Ar and Ar are selected differently from each other, a method for preparing the same, an organic semiconducting layer comprising the same, an organic electronic device comprising the same and a display device or a lighting device comprising the organic electronic device.

IPC 8 full level

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