

Title (en)

NEW SPIRO COMPOUNDS AND THEIR USE IN ORGANIC ELECTRONICS APPLICATIONS AND DEVICES

Title (de)

NEUE SPIRO-VERBINDUNGEN UND IHRE VERWENDUNG IN ORGANISCHEN ELEKTRONIKANWENDUNGEN UND -VORRICHTUNGEN

Title (fr)

NOUVEAUX COMPOSÉS SPIRO ET LEUR UTILISATION DANS DES APPLICATIONS ET DISPOSITIFS ÉLECTRONIQUES ORGANIQUES

Publication

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Application

**EP 13836057 A 20130827**

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Abstract (en)

[origin: WO2014037847A2] The present invention relates 9,9'-spirobifluorene compounds of general formula (I) wherein the variables R11, R12, R21, R22, R31, R32, R41 and R42 independently of each other have the meaning of aryl or hetaryl, with the proviso that not all of the radicals R11, R12, R21, R22, R31, R32, R41 and R42 are identical, to the use of compounds of general formula I in organic electronics applications, especially in organic field effect transistors, in organic photodetectors and organic solar cells, specifically in dye-sensitized solar cells and bulk heterojunction solar cells, and to an organic field effect transistor, a dye-sensitized solar cell and a bulk heterojunction solar cell comprising compounds of general formula I.

IPC 8 full level

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