

Title (en)
ORGANIC ELECTRONIC COMPONENTS HAVING ORGANIC SUPERDONORS HAVING AT LEAST TWO COUPLED CARBENE GROUPS AND USE THEREOF AS AN N-TYPE DOPANTS

Title (de)
ORGANISCH ELEKTRONISCHE BAUELEMENTE MIT ORGANISCHEN SUPERDONOREN MIT MINDESTENS ZWEI GEKOPPELTEN CARBENGRUPPEN UND DEREN VERWENDUNG ALS N-DOTIERSTOFFE

Title (fr)
COMPOSANTS ÉLECTRONIQUES ORGANIQUES AVEC SUPERDONNEURS COMPORTANT AU MOINS DEUX GROUPES CARBÈNE ET LEUR UTILISATION COMME MATIÈRES DOPÉES N

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Application
EP 13717462 A 20130408

Priority

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Abstract (en)
[origin: WO2013153025A1] The invention relates to an organic electron transport layer n-dopant, the use of said n-dopant to construct organic electronic components, transistors, organic light-emitting diodes, light-emitting electrochemical cells, organic solar cells, photodiodes, and electronic components containing said n-dopant.

IPC 8 full level
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H10K 10/488 (2023.02 - CN); **H10K 50/16** (2023.02 - CN); **H10K 50/165** (2023.02 - CN); **H10K 85/611** (2023.02 - CN EP US); **H10K 85/653** (2023.02 - CN US); **H10K 85/654** (2023.02 - CN US); **H10K 10/488** (2023.02 - EP US); **H10K 30/00** (2023.02 - CN EP US); **H10K 50/16** (2023.02 - US); **H10K 50/165** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US)

Citation (search report)
See references of WO 2013153025A1

Citation (examination)
HUA-JING WANG ET AL: "Design of new neutral organic super-electron donors: a theoretical study", JOURNAL OF PHYSICAL ORGANIC CHEMISTRY., vol. 23, 21 August 2009 (2009-08-21), GB, pages 75 - 83, XP055290174, ISSN: 0894-3230, DOI: 10.1002/poc.1590

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Designated extension state (EPC)
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DOCDB simple family (application)
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