

Title (en)

NEW EMITTER MATERIALS AND MATRIX MATERIALS FOR OPTOELECTRONIC AND ELECTRONIC COMPONENTS, IN PARTICULAR ORGANIC LIGHT-EMITTING DIODES (OLEDs)

Title (de)

NEUE EMITTERMATERIALIEN UND MATRIXMATERIALIEN FÜR OPTOELEKTRONISCHE UND ELEKTRONISCHE BAUELEMENTE, INSBESONDERE ORGANISCHE LICHEMITTIERENDE DIODEN (OLEDs)

Title (fr)

NOUVEAUX MATÉRIAUX ÉMETTEUR ET MATÉRIAUX MATRICIELS POUR COMPOSANTS ÉLECTRONIQUES ET OPTOÉLECTRONIQUES, EN PARTICULIER DES DIODES ÉLECTROLUMINESCENTES ORGANIQUES (OLED)

Publication

EP 3398218 A1 20181107 (DE)

Application

EP 16826748 A 20161228

Priority

- DE 102015122869 A 20151228
- EP 2016082763 W 20161228

Abstract (en)

[origin: WO2017114857A1] The invention relates to compounds, comprising at least one donor group and at least one acceptor group, in which the transition energy of the lowest excited triplet back into the ground state both of the corresponding donor molecule and of the corresponding acceptor molecule being at least 2.2 eV, and the use thereof as an emitter or a carrier material in an optoelectronic component.

IPC 8 full level

H01L 51/54 (2006.01); **C07D 279/18** (2006.01); **C07F 7/08** (2006.01)

CPC (source: EP KR US)

C07D 279/22 (2013.01 - EP); **C07D 279/34** (2013.01 - EP US); **C07D 417/14** (2013.01 - EP US); **C07F 7/0816** (2013.01 - EP US); **C09K 11/06** (2013.01 - KR US); **H10K 50/11** (2023.02 - KR); **H10K 85/40** (2023.02 - EP KR US); **H10K 85/611** (2023.02 - EP KR); **H10K 85/657** (2023.02 - EP KR US); **H10K 85/6572** (2023.02 - US); **H10K 85/6576** (2023.02 - US); **C09K 2211/1018** (2013.01 - US); **H10K 50/11** (2023.02 - EP US); **H10K 2101/10** (2023.02 - US); **Y02E 10/549** (2013.01 - EP)

Citation (search report)

See references of WO 2017114857A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015122869 A1 20170629; CN 108604644 A 20180928; EP 3398218 A1 20181107; JP 2019505505 A 20190228; KR 20180101430 A 20180912; US 2021167304 A1 20210603; WO 2017114857 A1 20170706

DOCDB simple family (application)

DE 102015122869 A 20151228; CN 201680080477 A 20161228; EP 16826748 A 20161228; EP 2016082763 W 20161228; JP 2018533813 A 20161228; KR 20187021887 A 20161228; US 201616065305 A 20161228