

Title (en)

USE OF COMPOUNDS CONTAINING AROMATIC OR HETEROAROMATIC RINGS LINKED VIA CARBONYL GROUP-CONTAINING GROUPS, FOR USE AS MATRIX MATERIALS IN ORGANIC LIGHT-EMITTING DIODES

Title (de)

VERWENDUNG VON VERBINDUNGEN, WELCHE AROMATISCHE ODER HETEROAROMATISCHE ÜBER CARBONYL-GRUPPEN ENTHALTENDE GRUPPEN VERBUNDENE RINGE ENTHALTEN, ALS MATRIXMATERIALIEN IN ORGANISCHEN LEUCHTDIODEN

Title (fr)

UTILISATION DE COMPOSES CONTENANT DES CYCLES AROMATIQUES OU HETEROAROMATIQUES LIES PAR DES GROUPES QUI CONTIENNENT DES GROUPES CARBONYLE COMME MATERIAUX DE MATRICE DANS DES DIODES ELECTROLUMINESCENTES ORGANIQUES

Publication

**EP 1866978 A1 20071219 (DE)**

Application

**EP 06725284 A 20060323**

Priority

- EP 2006061007 W 20060323
- DE 102005014284 A 20050324

Abstract (en)

[origin: WO2006100298A1] The invention relates to the use of compounds that contain aromatic or heteroaromatic rings that are linked via carbonyl group-containing groups as matrix materials in organic light-emitting diodes. The invention also relates to a light-emitting layer that comprises at least one such compound as the matrix material and at least one additional substance distributed therein as the emitter or that consists of at least one such compound as the matrix material and at least one additional substance distributed therein as the emitter. Finally, the invention relates to an organic light-emitting diode comprising such a light-emitting layer and to a device comprising such an organic light-emitting diode.

IPC 8 full level

**H10K 99/00** (2023.01)

CPC (source: EP KR)

**C09K 11/06** (2013.01 - EP KR); **H05B 33/14** (2013.01 - EP); **H10K 85/342** (2023.02 - EP); **H10K 85/731** (2023.02 - EP); **C09K 2211/1007** (2013.01 - EP); **C09K 2211/1011** (2013.01 - EP); **C09K 2211/1014** (2013.01 - EP); **C09K 2211/1022** (2013.01 - EP); **C09K 2211/1029** (2013.01 - EP); **C09K 2211/1033** (2013.01 - EP); **C09K 2211/1037** (2013.01 - EP); **C09K 2211/1044** (2013.01 - EP); **C09K 2211/1051** (2013.01 - EP); **C09K 2211/1059** (2013.01 - EP); **C09K 2211/1088** (2013.01 - EP); **C09K 2211/185** (2013.01 - EP); **H10K 50/11** (2023.02 - EP); **H10K 85/621** (2023.02 - EP); **H10K 2102/103** (2023.02 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102005014284 A1 20060928**; CN 101171697 A 20080430; EP 1866978 A1 20071219; JP 2008538858 A 20081106; KR 20070118656 A 20071217; WO 2006100298 A1 20060928

DOCDB simple family (application)

**DE 102005014284 A 20050324**; CN 200680014929 A 20060323; EP 06725284 A 20060323; EP 2006061007 W 20060323; JP 2008502423 A 20060323; KR 20077024429 A 20071024