

Title (en)
NOVEL ORGANIC ELECTROLUMINESCENT COMPOUNDS AND ORGANIC ELECTROLUMINESCENT DEVICE USING THE SAME

Title (de)
NEUE ORGANISCHE ELEKTROLUMINESZENZVERBINDUNGEN UND ORGANISCHE ELEKTROLUMINESZENZVORRICHTUNG DAMIT

Title (fr)
NOUVEAUX COMPOSÉS ÉLECTROLUMINESCENTS ORGANIQUES ET DISPOSITIF ÉLECTROLUMINESCENT ORGANIQUE UTILISANT CELUI-CI

Publication
EP 2616462 A1 20130724 (EN)

Application
EP 11825442 A 20110916

Priority

- KR 20110092422 A 20110914
- KR 20100091545 A 20100917
- KR 2011006810 W 20110916

Abstract (en)
[origin: WO2012036482A1] Provided are novel organic electroluminescent compounds and an organic electroluminescent device using the same. Because the organic electroluminescent compound disclosed herein exhibits good luminous efficiency and an excellent life performance, it may be used to manufacture OLED devices very superior in terms of operating life and which consume less power due to improved power efficiency.

IPC 8 full level
C07D 403/04 (2006.01); **C07D 403/14** (2006.01); **C07D 405/14** (2006.01); **C07D 409/14** (2006.01); **C09K 11/06** (2006.01); **H01L 27/32** (2006.01); **H01L 51/54** (2006.01)

CPC (source: EP KR)
C07D 403/04 (2013.01 - EP KR); **C07D 403/14** (2013.01 - EP KR); **C07D 405/14** (2013.01 - EP KR); **C07D 409/14** (2013.01 - EP KR); **C09K 11/06** (2013.01 - EP KR); **H05B 33/20** (2013.01 - KR); **H10K 50/11** (2023.02 - KR); **H10K 85/342** (2023.02 - KR); **H10K 85/6572** (2023.02 - EP KR); **H10K 85/6574** (2023.02 - EP KR); **H10K 85/6576** (2023.02 - EP KR); **C09K 2211/1007** (2013.01 - EP); **C09K 2211/1011** (2013.01 - EP); **C09K 2211/1029** (2013.01 - EP); **C09K 2211/1044** (2013.01 - EP); **C09K 2211/1088** (2013.01 - EP); **C09K 2211/1092** (2013.01 - EP); **H10K 50/11** (2023.02 - EP); **H10K 85/342** (2023.02 - EP); **H10K 2101/10** (2023.02 - EP)

Citation (third parties)
Third party :

- WO 2011019156 A1 20110217 - ROHM & HAAS ELECT MAT [KR], et al
- EP 1808433 A1 20070718 - IDEMITSU KOSAN CO [JP]
- EP 2332911 A2 20110615 - LG CHEMICAL LTD [KR]
- US 2009302745 A1 20091210 - OTSU SHINYA [JP], et al
- US 2006046172 A1 20060302 - VAITKEVICIENE VIOLETA [LT], et al
- EP 1589789 A1 20051026 - IDEMITSU KOSAN CO [JP]
- WO 2011014039 A1 20110203 - ROHM & HAAS ELECT MAT [KR], et al
- EP 1486550 A1 20041215 - IDEMITSU KOSAN CO [JP]

Designated contracting state (EPC)
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DOCDB simple family (publication)
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KR 2011006810 W 20110916; CN 201180055527 A 20110916; CN 201810756909 A 20110916; EP 11825442 A 20110916; JP 2013529060 A 20110916; JP 2016172842 A 20160905; JP 2018192058 A 20181010; KR 20110092422 A 20110914; TW 100133700 A 20110916