

Title (en)

NOVEL MATERIALS FOR ORGANIC ELECTROLUMINESCENT DEVICES

Title (de)

NEUE MATERIALIEN FÜR ORGANISCHE ELEKTROLUMINESZENZVORRICHTUNGEN

Title (fr)

NOUVEAUX MATÉRIAUX POUR DES DISPOSITIFS ORGANIQUES ÉLECTROLUMINESCENTS

Publication

EP 2240425 A1 20101020 (DE)

Application

EP 09709699 A 20090213

Priority

- EP 2009001028 W 20090213
- DE 102008008953 A 20080213

Abstract (en)

[origin: WO2009100925A1] The invention relates to the compounds of formula (1) and to organic electroluminescent devices, especially blue-emitting devices in which said compounds are used as a host material in the emitting layer and/or as an electron transport material. A group C-R1 can be substituted by N in the phenanthrene moiety, and one or more groups C-R2 can be substituted by N in the anthracene moiety.

IPC 8 full level

C07C 15/60 (2006.01); **C07D 235/18** (2006.01); **C09K 11/06** (2006.01); **H01L 51/00** (2006.01); **H05B 33/00** (2006.01)

CPC (source: EP US)

C07C 13/567 (2013.01 - EP US); **C07C 13/72** (2013.01 - EP US); **C07C 15/20** (2013.01 - EP US); **C07C 15/30** (2013.01 - EP US); **C07C 15/38** (2013.01 - EP US); **C07C 211/54** (2013.01 - EP US); **C07C 211/61** (2013.01 - EP US); **C07D 221/10** (2013.01 - EP US); **C07D 235/18** (2013.01 - EP US); **C07D 251/24** (2013.01 - EP US); **C07D 333/08** (2013.01 - EP US); **C07D 333/72** (2013.01 - EP US); **C07D 471/04** (2013.01 - EP US); **C09K 11/06** (2013.01 - EP US); **H05B 33/14** (2013.01 - EP US); **H10K 85/626** (2023.02 - EP US); **C07C 2601/14** (2017.04 - EP US); **C07C 2603/18** (2017.04 - EP US); **C07C 2603/24** (2017.04 - EP US); **C07C 2603/26** (2017.04 - EP US); **C07C 2603/42** (2017.04 - EP US); **C07C 2603/52** (2017.04 - EP US); **C07C 2603/94** (2017.04 - EP US); **C09K 2211/1014** (2013.01 - EP US); **C09K 2211/1044** (2013.01 - EP US); **C09K 2211/1059** (2013.01 - EP US); **H10K 50/14** (2023.02 - EP US); **H10K 85/324** (2023.02 - EP US); **H10K 85/633** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US); **Y10S 428/917** (2013.01 - EP US)

Citation (search report)

See references of WO 2009100925A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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