

Title (en)

MATERIALS FOR ORGANIC ELECTROLUMINESCENT DEVICES

Title (de)

MATERIALIEN FÜR ORGANISCHE ELEKTROLUMINESZENZVORRICHTUNGEN

Title (fr)

MATIÈRES POUR DES DISPOSITIFS ÉLECTROLUMINESCENTS ORGANIQUES

Publication

EP 2344608 A1 20110720 (DE)

Application

EP 09736572 A 20091015

Priority

- EP 2009007407 W 20091015
- DE 102008057050 A 20081113

Abstract (en)

[origin: WO2010054731A1] The present invention relates to transition metal complexes of the general formulae (I) or (II), in particular as emitter molecules in organic electronic devices, a layer and an electronic device which contain the compounds according to the invention as well as a method for producing the compounds according to the invention.

IPC 8 full level

C07F 15/00 (2006.01); **C09K 11/06** (2006.01); **H01L 51/00** (2006.01); **H05B 33/14** (2006.01)

CPC (source: EP KR US)

C07F 15/006 (2013.01 - EP KR US); **C07F 15/0086** (2013.01 - EP KR US); **C09B 23/14** (2013.01 - EP KR US); **C09B 23/145** (2013.01 - EP KR US); **C09B 55/003** (2013.01 - EP KR US); **C09B 57/00** (2013.01 - EP US); **C09B 57/10** (2013.01 - EP KR US); **C09K 11/06** (2013.01 - EP KR US); **H05B 33/14** (2013.01 - EP KR US); **H10K 85/324** (2023.02 - KR); **H10K 85/346** (2023.02 - EP KR US); **C09K 2211/1022** (2013.01 - EP US); **C09K 2211/1029** (2013.01 - EP US); **C09K 2211/185** (2013.01 - EP US); **H10K 85/324** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US); **Y10S 428/917** (2013.01 - KR)

Citation (search report)

See references of WO 2010054731A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008057050 A1 20100520; **DE 102008057050 B4 20210602**; CN 102076816 A 20110525; CN 102076816 B 20141022; EP 2344608 A1 20110720; JP 2012508700 A 20120412; JP 5774487 B2 20150909; KR 101704825 B1 20170208; KR 20110095130 A 20110824; TW 201024311 A 20100701; US 2011095281 A1 20110428; US 8597798 B2 20131203; WO 2010054731 A1 20100520

DOCDB simple family (application)

DE 102008057050 A 20081113; CN 200980125139 A 20091015; EP 09736572 A 20091015; EP 2009007407 W 20091015; JP 2011535894 A 20091015; KR 20107028242 A 20091015; TW 98138116 A 20091110; US 200913001234 A 20091015