

Title (en)  
ORGANIC ELECTROLUMINESCENT ELEMENT

Title (de)  
ORGANISCHES ELEKTROLUMINESZENZELEMENT

Title (fr)  
ELEMENT ELECTROLUMINESCENT ORGANIQUE

Publication  
**EP 1811585 A8 20071010 (EN)**

Application  
**EP 05782401 A 20050912**

Priority  
• JP 2005016749 W 20050912  
• JP 2004327019 A 20041110

Abstract (en)  
[origin: US2006110623A1] An organic electro-luminescent device exhibiting an excellent heat resistance, a long serving life and a great efficiency of light emission and producing a light emission ranging from a blue light to a red light. The organic electroluminescent device comprising one or more thin-film layers which contain at least a light emitting layer and are interposed between a cathode and an anode, wherein the light emitting layer contains an amine compound represented by any of the following general formula (A) and a fluorene-based compound represented by any of the following general formula (B).

IPC 8 full level  
**H01L 51/00** (2006.01)

CPC (source: EP KR US)  
**C09B 3/14** (2013.01 - EP US); **C09B 6/00** (2013.01 - EP US); **C09B 23/12** (2013.01 - EP US); **C09B 23/148** (2013.01 - EP US);  
**C09B 57/00** (2013.01 - EP US); **C09B 57/001** (2013.01 - EP US); **C09B 57/008** (2013.01 - EP US); **C09K 11/06** (2013.01 - EP KR US);  
**H05B 33/14** (2013.01 - EP US); **H10K 85/626** (2023.02 - EP US); **C09K 2211/1011** (2013.01 - EP US); **C09K 2211/1014** (2013.01 - EP US);  
**C09K 2211/1029** (2013.01 - EP US); **C09K 2211/1088** (2013.01 - EP US); **H10K 50/11** (2023.02 - EP US); **H10K 85/324** (2023.02 - EP US);  
**H10K 85/342** (2023.02 - EP US); **H10K 85/633** (2023.02 - EP US); **H10K 85/657** (2023.02 - EP US); **H10K 85/6574** (2023.02 - EP US)

Citation (search report)  
See references of WO 2006051649A1

Cited by  
WO2010062107A1

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)  
**US 2006110623 A1 20060525**; CN 101057348 A 20071017; EP 1811585 A1 20070725; EP 1811585 A8 20071010; JP 2006140235 A 20060601;  
KR 20070084110 A 20070824; TW 200628585 A 20060816; WO 2006051649 A1 20060518

DOCDB simple family (application)  
**US 26966105 A 20051109**; CN 200580038089 A 20050912; EP 05782401 A 20050912; JP 2004327019 A 20041110;  
JP 2005016749 W 20050912; KR 20077010523 A 20070509; TW 94134847 A 20051005