

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
H10K 99/00 (2023.01)

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)

Cited by
WO2010062107A1

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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

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