

Title (en)
PHOSPHORESCENT ELECTROLUMINESCENT ELEMENT

Title (de)
PHOSPHORESZIERENDES ELEKTROLUMINESZENZELEMENT

Title (fr)
ELEMENT ELECTROLUMINESCENT PHOSPHORESCENT

Publication
EP 1714332 A2 20061025 (DE)

Application
EP 05707296 A 20050210

Priority
• EP 2005001313 W 20050210
• DE 102004006622 A 20040210

Abstract (en)
[origin: DE102004006622A1] The device has an anode, a cathode and at least one emission layer containing at least one matrix material doped with at least one phosphorescent emitter. The emission layer is immediately adjacent to an electrically conductive layer on the anode side. The matrix material and/or the phosphorescent emitter is/are a low molecular weight compound with a molecular weight of less than 10000 g/mol. Independent claims are also included for the following: (A) an organic solar cell (B) and an organic laser diode.

IPC 8 full level
H01L 51/30 (2006.01); **H01L 51/40** (2006.01); **H01L 51/50** (2006.01); **H01L 51/00** (2006.01)

CPC (source: EP KR US)
H10K 71/30 (2023.02 - EP KR US); **H10K 85/30** (2023.02 - EP KR US); **H10K 85/342** (2023.02 - KR); **H10K 85/346** (2023.02 - KR); **H01L 2224/05199** (2013.01 - KR); **H01L 2924/01034** (2013.01 - KR); **H01L 2924/01057** (2013.01 - KR); **H10K 85/342** (2023.02 - EP US); **H10K 85/346** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2005078818A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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