

Title (en)
METHOD FOR PRODUCING ORGANIC LIGHT-EMITTING DIODES (OLED'S)

Title (de)
VERFAHREN ZUR HERSTELLUNG VON OLEDs

Title (fr)
PROCEDE DE PRODUCTION DE DISPOSITIFS OU DE DIODES ELECTROLUMINESCENT(E)S ORGANIQUES (OLED)

Publication
EP 1629542 A2 20060301 (DE)

Application
EP 04762979 A 20040525

Priority
• EP 2004005601 W 20040525
• DE 10324880 A 20030530

Abstract (en)
[origin: WO2004107467A2] The invention relates to a method for producing an organic light-emitting diode (OLED) involving the application of layers onto a substrate in order to produce a laminar composite, and to the OLED itself. The aim of the invention is to provide a method for producing light-emitting devices, particularly OLED's, which saves on material and produces a homogeneous light-emitting layer. According to the invention, a method of this type for applying layers to a substrate comprises the following steps: applying a first conductive electrode; producing a surface with recesses, and; applying organic light-emitting material. This method is characterized in that the organic light-emitting material is introduced into the recesses.

IPC 1-7
H01L 51/00

IPC 8 full level
H10K 99/00 (2023.01)

CPC (source: EP KR US)
H05B 33/10 (2013.01 - KR); **H05B 33/22** (2013.01 - KR); **H10K 50/814** (2023.02 - US); **H10K 59/80516** (2023.02 - EP KR);
H10K 71/135 (2023.02 - EP US); **H10K 59/173** (2023.02 - EP US); **H10K 71/00** (2023.02 - US)

Citation (examination)
• JP 2000231985 A 20000822 - DENSO CORP, et al
• EP 1107335 A2 20010613 - TDK CORP [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004107467 A2 20041209; WO 2004107467 A3 20050203; CN 100557853 C 20091104; CN 1795571 A 20060628;
DE 10324880 A1 20050105; DE 10324880 B4 20070405; EP 1629542 A2 20060301; JP 2006526263 A 20061116; KR 20060030034 A 20060407;
US 2007273276 A1 20071129

DOCDB simple family (application)
EP 2004005601 W 20040525; CN 200480014086 A 20040525; DE 10324880 A 20030530; EP 04762979 A 20040525;
JP 2006508199 A 20040525; KR 20057022984 A 20051130; US 55675204 A 20040524