

Title (en)

LIGHT-EMITTING COMPONENT HAVING A WAVELENGTH CONVERTER AND PRODUCTION METHOD

Title (de)

LICHEMITTIERENDES BAUELEMENT MIT WELLENLÄNGENKONVERTER UND HERSTELLUNGSVERFAHREN

Title (fr)

COMPOSANT PHOTOÉMETTEUR AVEC CONVERTISSEUR DE LONGUEURS D'ONDES, ET PROCÉDÉ DE FABRICATION

Publication

**EP 2193558 A1 20100609 (DE)**

Application

**EP 08801332 A 20080915**

Priority

- DE 2008001540 W 20080915
- DE 102007046338 A 20070927
- DE 102007053069 A 20071107

Abstract (en)

[origin: WO2009039833A1] A conversion layer (5) is vapor-deposited on the light-emitting surface. The conversion layer (5) may comprise a vapor-depositable matrix material and a vapor-depositable converter material, both of which may particularly comprise compounds having a low molecular weight. A layer structure (3) comprising layers provided for generating radiation may also be comprised of organic compounds having a low molecular weight, such that all compounds may be applied in the same vapor depositing system.

IPC 8 full level

**H01L 51/50** (2006.01)

CPC (source: EP KR US)

**H01L 33/501** (2013.01 - KR); **H01L 33/502** (2013.01 - KR); **H05B 33/20** (2013.01 - KR); **H10K 50/125** (2023.02 - EP KR US); **H10K 59/38** (2023.02 - EP KR US); **H10K 2102/00** (2023.02 - KR)

Citation (search report)

See references of WO 2009039833A1

Citation (examination)

- JP H05307111 A 19931119 - HOYA CORP
- WO 2007039849 A1 20070412 - PHILIPS INTELLECTUAL PROPERTY [DE], et al

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

**DE 102007053069 A 20071107**; CN 200880109080 A 20080915; DE 2008001540 W 20080915; EP 08801332 A 20080915; JP 2010526160 A 20080915; KR 20107009183 A 20080915; TW 97135990 A 20080919; US 68061008 A 20080915