

Title (en)
ORGANIC LIGHT-EMITTING DIODE (LED) AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
ORGANISCHE LEUCHTDIODE (LED) UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)
DIODE ELECTROLUMINESCENTE ORGANIQUE ET SON PROCEDE DE PRODUCTION

Publication
EP 1459396 A1 20040922 (DE)

Application
EP 02787404 A 20021127

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• DE 10164016 A 20011228

Abstract (en)
[origin: WO03061026A1] An organic layer (1) is applied to a transparent carrier (2) in such a way that several partial segments with different refractive indices are configured in the layer. Fewer photons remain trapped in the layer as a result of waveguide losses than in homogenous layers due to diversion at the phase limits within the layer.

IPC 1-7
H01L 51/20

IPC 8 full level
H01L 51/50 (2006.01); **H01L 51/52** (2006.01); **H05B 33/10** (2006.01)

CPC (source: EP US)
H10K 50/854 (2023.02 - EP US); **H10K 50/11** (2023.02 - EP US)

Citation (search report)
See references of WO 03061026A1

Citation (examination)
• WO 0058760 A1 20001005 - CPFILMS INC [US], et al
• WO 9921708 A1 19990506 - AGFA GEVAERT NV [BE], et al
• JP 2000109824 A 20000418 - MITSUBISHI CHEM CORP
• WO 9531515 A1 19951123 - FORSKARPATENT I LINKOEPING AB [SE], et al
• WO 9203491 A1 19920305 - CAMBRIDGE RES & INNOVATION [GB], et al
• EP 2267814 A1 20101229 - SUMITOMO CHEMICAL CO [JP]

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

DOCDB simple family (publication)
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DOCDB simple family (application)
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