

Title (en)

METHOD FOR PRODUCING AN OPTOELECTRONIC DEVICE COMPRISING MULTI-DIMENSIONAL HOMOGENOUS LIGHT-EMITTING DIODES

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER OPTOELEKTRONISCHEN VORRICHTUNG MIT MEHRDIMENSIONALEN HOMOGENEN LEUCHTDIODEN

Title (fr)

PROCÉDÉ DE RÉALISATION D'UN DISPOSITIF OPTOÉLECTRONIQUE COMPRENANT DES DIODES ÉLECTROLUMINESCENTES HOMOGENES EN DIMENSIONS

Publication

EP 3871273 A1 20210901 (FR)

Application

EP 19808634 A 20191017

Priority

- FR 1859791 A 20181023
- FR 2019052464 W 20191017

Abstract (en)

[origin: WO2020084226A1] Method for manufacturing an optoelectronic device (10), comprising the steps of: forming a substrate (11) having a support face (111); forming a first series of first areas (131, 131a) suitable for forming all or some of the light-emitting diodes (13), forming a second series of second areas (151, 151a) on the support face (111) which are suitable for forming a light confinement wall element (152) capable of forming a light confinement wall (15), the second areas (151, 151a) being distinct from the first areas (131, 131a), the second areas (151, 151a) defining sub-pixel areas (14) between them; forming, from the first areas (131, 131a), light-emitting diodes (13); forming, by the same technique as in the previous step, from the second areas (151, 151a), light confinement wall elements (152), concomitantly with all or some of the light-emitting diodes (13) formed in the previous step.

IPC 8 full level

H01L 33/10 (2010.01); **H01L 33/08** (2010.01)

CPC (source: EP US)

H01L 27/156 (2013.01 - US); **H01L 33/10** (2013.01 - EP); **H01L 33/08** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

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