

Title (en)

EMISSION LAYERS FOR ORGANIC LIGHT EMITTING DIODES AND METHODS FOR THEIR PREPARATION

Title (de)

EMISSIONSSCHICHTEN FÜR ORGANISCHE LEUCHTDIODEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

COUCHES D'ÉMISSION POUR DIODES ÉLECTROLUMINESCENTES ORGANIQUES ET LEURS PROCÉDÉS DE PRÉPARATION

Publication

EP 3039730 A1 20160706 (EN)

Application

EP 14762115 A 20140617

Priority

- RU 2013139931 A 20130828
- RU 2014000435 W 20140617

Abstract (en)

[origin: WO2015030627A1] A method for producing the emissive layer for an organic light emitting diode comprises dissolving a luminophore-containing compound and an organic conductive material in a common solvent, depositing a thin film of the resulting solution on a substrate and subsequently heat treating the deposited film at a temperature above 100C but below the emissive layer thermal decomposition temperature. The luminophore-containing compound may be a luminophore or a luminophore precursor that is transformable into a luminophore when heated. For example, the luminophore-containing compound may be a soluble ternary coordination compound containing a neutral ligand. The soluble ternary coordination compound is decomposed by heat treatment to form a luminophore; the neutral ligand is completely eliminated from the thin film by the heat treatment. The method allows emission layers to be obtained that contain an insoluble compound as the luminophore.

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CPC (source: EP)

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Citation (search report)

See references of WO 2015030627A1

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