

Title (en)

OPTOELECTRONIC DEVICE WITH AXIAL-TYPE THREE-DIMENSIONAL LIGHT-EMITTING DIODES

Title (de)

OPTOELEKTRONISCHE VORRICHTUNG MIT DREIDIMENSIONALEN LEUCHTDIODEN VOM AXIALTYP

Title (fr)

DISPOSITIF OPTOÉLECTRONIQUE À DIODES ÉLECTROLUMINESCENTES TRIDIMENSIONNELLES DE TYPE AXIAL

Publication

EP 4264682 A1 20231025 (FR)

Application

EP 21823876 A 20211202

Priority

- FR 2013514 A 20201217
- EP 2021083863 W 20211202

Abstract (en)

[origin: WO2022128485A1] The present disclosure relates to an optoelectronic device (10) comprising an array (15) of axial light-emitting diodes (LED), the light-emitting diodes each comprising an active zone (20) configured to emit electromagnetic radiation of which the emission spectrum comprises a maximum at a first wavelength, the array forming a photonic crystal configured to form a resonance peak amplifying the intensity of said electromagnetic radiation at at least a second wavelength different from the first wavelength.

IPC 8 full level

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CPC (source: EP KR US)

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Designated contracting state (EPC)

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