

Title (en)
OPTOELECTRONIC DEVICE WITH LIGHT-EMITTING DIODES

Title (de)
OPTOELEKTRONISCHE VORRICHTUNG MIT LEUCHTDIODEN

Title (fr)
DISPOSITIF OPTOÉLECTRONIQUE A DIODES ÉLECTROLUMINESCENTES

Publication
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Application
EP 15823720 A 20151224

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Abstract (en)
[origin: WO2016108021A1] The invention relates to an optoelectronic device (40) including: - a substrate (42) with first and second opposite surfaces (44, 46); and - electrical insulation side elements (48) extending from the first surface (46) to the second surface (44) and defining, within the substrate, first semi-conductive or conductive portions (50) which are electrically insulated from each other. The optoelectronic device also includes, for each first portion: - a first conductive contact pad (52) on the second surface in contact with the first portion; and - a set (D) of light-emitting diodes resting on the first surface and electrically connected to the first portion. The optoelectronic device also includes: - a conductive, at least partially transparent electrode layer (66) covering all the light-emitting diodes; - an insulating, at least partially transparent encapsulation layer (70) covering the electrode layer; and - at least one second conductive contact pad (52) electrically connected to the electrode layer.

IPC 8 full level
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