

Title (en)
OPTOELECTRONIC DEVICE, ASSOCIATED DISPLAY SCREEN AND METHOD FOR PRODUCING SUCH AN OPTOELECTRONIC DEVICE

Title (de)
OPTOELEKTRONISCHE VORRICHTUNG, ZUGEHÖRIGER BILDSCHIRM UND VERFAHREN ZUR HERSTELLUNG EINER SOLCHEN OPTOELEKTRONISCHEN VORRICHTUNG

Title (fr)
DISPOSITIF OPTOÉLECTRONIQUE, ÉCRAN D'AFFICHAGE ASSOCIÉ ET PROCÉDÉ DE FABRICATION D'UN TEL DISPOSITIF OPTOÉLECTRONIQUE

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Application
EP 19789685 A 20191021

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• EP 2019078603 W 20191021

Abstract (en)
[origin: WO2020083847A1] The present invention relates to an optoelectronic device (15) comprising a substrate (30) and at least two-sub-pixels (20), each sub-pixel (20) being suitable for emitting a first respective radiation, the substrate (30), each sub-pixel (20) comprising: - at least one fin (35) made of a first semiconductor material, the fin (35) along a normal direction perpendicular to the substrate, each fin (35) having first lateral side (75); - a covering layer (40) comprising one or more radiation-emitting layers (100), the covering layer (40) extending over the first lateral side (75) of each fin (35), the sub-pixels (20) defining a void that is located between the two sub-pixels (20), and a blocking structure (25) being inserted into the void between the two sub-pixels (20), the blocking structure (25) being suitable for preventing the first radiation emitted by one sub-pixel (20) from reaching the other sub-pixel (20) through the blocking structure.

IPC 8 full level
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Citation (search report)
See references of WO 2020083847A1

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DOCDB simple family (application)
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