

Title (en)
ILLUMINATION DEVICES COMPRISING WHITE LIGHT EMITTING DIODES AND DIODE ARRAYS AND METHOD AND APPARATUS FOR MAKING THEM

Title (de)
BELEUCHTUNGSVORRICHTUNG MIT WEISSES LICHT EMITTIERENDEN DIODEN UND DIODENANORDNUNGEN UND VERFAHREN UND VORRICHTUNG ZU DEREN HERSTELLUNG

Title (fr)
DISPOSITIFS D'ÉCLAIRAGE COMPRENANT DES DIODES ET DES RÉSEAUX À DIODES ÉLECTROLUMINESCENTES BLANCHES, AINSI QUE PROCÉDÉ ET APPAREIL PERMETTANT DE FABRIQUER CES DISPOSITIFS

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Application
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Abstract (en)
[origin: WO2007005013A1] In accordance with the invention, an illumination device comprises a substrate (103) having a surface and a cavity in the surface. At least one light emitting diode ("LED") is mounted within the cavity (104), and a monolayer comprising phosphor particles overlies the LED. The phosphor monolayer (106) is adhered to the LED by a monolayer of transparent adhesive material (105). An optional optical thick layer of transparent material overlies the phosphor monolayer to encapsulate the LED and optionally to form a lens. Methods and apparatus for efficiently making the devices are disclosed.

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