

Title (en)
VISIBLE LIGHT EMITTING DEVICES INCLUDING UV-LIGHT EMITTING DIODE AND UV-EXCITABLE, VISIBLE LIGHT EMITTING PHOSPHOR, AND METHOD OF PRODUCING SUCH DEVICES

Title (de)
SICHTBARES LICHT EMITTIERENDE VORRICHTUNGEN MIT EINER UV-LICHT EMITTIERENDEN DIODE UND EINEM UV-LICHT ANREGBAREN, SICHTBARES LICHT EMITTIERENDEN LEUCHSTOFF UND HERSTELLUNGSVERFAHREN

Title (fr)
DISPOSITIFS EMETTANT DE LA LUMIERE VISIBLE, Y COMPRIS DES DIODES EMETTANT DE LA LUMIERE ULTRAVIOLETTE ET DES ELEMENTS FLUORESCENTS EXCITABLES PAR LES ULTRAVIOLETS ET EMETTANT DE LA LUMIERE VISIBLE ET PROCEDE DE PRODUCTION DE TELS DISPOSITIFS

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Application
EP 97920917 A 19970528

Priority
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• US 66152096 A 19960611

Abstract (en)
[origin: WO9748138A2] Light emitting displays and lamps are produced by photo pumping UV excitable phosphors with UV emitting GaN-based light emitting diodes (LEDs). Resonant cavities are incorporated into the LED structures to both narrow and heighten the emission spectrum. Color displays are produced from arrays of individual LED-phosphor combinations of different colors. Such LED pumped phosphor devices do not require a vacuum environment and operate at much lower voltages than the electron beam pumped phosphor screens of cathode ray tubes (CRTs).

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CPC (source: EP)
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See references of WO 9748138A2

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