

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 LEUCHTSTOFF 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

Publication

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Application

EP 97920917 A 19970528

Priority

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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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