

Title (en)

LIGHT EMITTING, POWER GENERATING OR OTHER ELECTRONIC APPARATUS AND METHOD OF MANUFACTURING SAME

Title (de)

LICHTEMITTIERENDE, STROMERZEUGENDE ODER ANDERE ELEKTRONISCHE VORRICHTUNG SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

APPAREIL ÉLECTROLUMINESCENT, GÉNÉRATEUR D'ÉNERGIE OU AUTRE APPAREIL ÉLECTRONIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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- US 201113223279 A 20110831
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- US 37922510 P 20100901
- US 201113223294 A 20110831
- US 201113223286 A 20110831
- US 37928410 P 20100901
- US 37982010 P 20100903
- US 201113223297 A 20110831
- US 201113223289 A 20110831
- US 201113223293 A 20110831
- US 2011050174 W 20110901

Abstract (en)

[origin: WO2012031096A2] An exemplary printable composition of a liquid or gel suspension of diodes comprises a plurality of diodes, a first solvent and/or a viscosity modifier. An exemplary apparatus comprises: a plurality of diodes; at least a trace amount of a first solvent; and a polymeric or resin film at least partially surrounding each diode of the plurality of diodes. Various exemplary diodes have a lateral dimension between about 10 to 50 microns and about 5 to 25 microns in height. Other embodiments may also include a plurality of substantially chemically inert particles having a range of sizes between about 10 to about 50 microns.

IPC 8 full level

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C-Set (source: EP)

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2. **H01L 2924/13062** + **H01L 2924/00**
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7. **H01L 2924/181** + **H01L 2924/00**
8. **H01L 2924/14** + **H01L 2924/00**

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