

Title (en)

LIGHT EMITTER DEVICES AND COMPONENTS WITH IMPROVED CHEMICAL RESISTANCE AND RELATED METHODS

Title (de)

LICHTEMITTIERENDE VORRICHTUNGEN UND KOMPONENTEN MIT VERBESSERTER CHEMISCHER BESTÄNDIGKEIT UND ZUGEHÖRIGE VERFAHREN

Title (fr)

DISPOSITIFS D'ÉMISSION DE LUMIÈRE ET COMPOSANTS PRÉSENTANT UNE RÉSISTANCE CHIMIQUE AMÉLIORÉE ET PROCÉDÉS APPARENTÉS

Publication

EP 2786429 A1 20141008 (EN)

Application

EP 12853831 A 20121130

Priority

- US 201113309177 A 20111201
- US 201161576764 P 20111216
- US 2012067323 W 20121130

Abstract (en)

[origin: WO2013082445A1] Light emitter devices, components and methods are disclosed. In one aspect, a light emitter component of a light emitter device is disclosed. The light emitter component can include a silver (Ag) portion at least partially disposed over a surface of the component. The component can further include a protective layer at least partially disposed over the Ag portion, the protective layer at least partially including an organic barrier material that increases or improves chemical resistance of the Ag portion. In some aspects, the protective layer includes a polyxylylene (e.g., poly(p-xylylene), a substituted poly(p-xylylene), a fluorocarbon containing poly(p-xylylene), and/or any other polymer prepared from a xylylene and/or comprising -CH₂-(C₆H₄)-CH₂- based repeating units. In some aspects, the protective layer includes Parylene.

IPC 8 full level

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CPC (source: CN EP)

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Cited by

US10490712B2; US10008637B2; US10686107B2; US10211380B2; US11563156B2

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