

Title (en)

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

Title (de)

LICHTEMITTERVORRICHTUNGEN UND KOMPONENTEN MIT VERBESSERTER CHEMISCHER BESTÄNDIGKEIT UND ZUGEHÖRIGE VERFAHREN

Title (fr)

DISPOSITIFS ET COMPOSANTS ÉLECTROLUMINESCENTS DOTÉS D'UNE RÉSISTANCE CHIMIQUE AMÉLIORÉE ET PROCÉDÉS APPARENTÉS

Publication

EP 3453054 A4 20200101 (EN)

Application

EP 17793254 A 20170503

Priority

- US 201662331080 P 20160503
- US 2017030843 W 20170503

Abstract (en)

[origin: CN109314168A] Disclosed are LEDs and LED packages, and methods of making them, having improved resistance to infiltration by chemical entities comprising providing a coating on at least a portion of the LED chip or an LED chip package formed by co-polymerization of: (a) one or more hydrofluoroolefin monomer(s) selected from the group consisting of tetrafluoroethylene, hydrofluoroethylenes, hydrofluoropropenes, hydrofluorobutenes, hydrofluoropentenes and combinations of these; (b) optionally one or more chlorofluoroethylene monomers; (c) optionally one or more vinyl ester monomer(s); and (d) optionally one or more vinyl ether monomer(s), wherein at least a portion of said vinyl ether monomer is preferably a hydroxyl group-containing vinyl ether monomer and preferably at least one of (b) and (d) is present.

IPC 8 full level

H01L 33/44 (2010.01); **H01L 33/56** (2010.01)

CPC (source: EP US)

C08F 214/18 (2013.01 - US); **C08F 214/186** (2013.01 - US); **C08F 214/188** (2013.01 - US); **C09D 127/12** (2013.01 - US); **H01L 33/44** (2013.01 - EP); **H01L 33/56** (2013.01 - EP); **H01L 2224/48247** (2013.01 - EP); **H01L 2224/73265** (2013.01 - EP); **H01L 2933/0025** (2013.01 - EP); **H01L 2933/005** (2013.01 - EP)

Citation (search report)

- [X] US 2011260945 A1 20111027 - KARASAWA FUMIO [JP]
- [X] KR 20090040097 A 20090423 - SAMSUNG ELECTRO MECH [KR]
- [A] WO 2016040525 A1 20160317 - HONEYWELL INT INC [US]
- [A] US 2012184697 A1 20120719 - SAMUELS GEORGE J [US], et al
- [A] EP 0911347 A2 19990428 - DU PONT [US]
- [A] US 2013345381 A1 20131226 - AMIN-SANAYEI RAMIN [US], et al
- [A] US 2008153977 A1 20080626 - SAMUELS GEORGE J [US], et al
- See references of WO 2017192725A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

CN 109314168 A 20190205; EP 3453054 A1 20190313; EP 3453054 A4 20200101

DOCDB simple family (application)

CN 201780037467 A 20170503; EP 17793254 A 20170503