

Title (en)

OPTICALLY TRANSPARENT ADHESION LAYER TO CONNECT NOBLE METALS TO OXIDES

Title (de)

OPTISCH TRANSPARENTE HAFTSCHICHT ZUR VERBINDUNG VON EDELMETALLEN MIT OXIDEN

Title (fr)

COUCHE D'ADHÉRENCE OPTIQUEMENT TRANSPARENTE POUR CONNECTER DES MÉTAUX NOBLES À DES OXYDES

Publication

EP 3743949 A1 20201202 (EN)

Application

EP 19703229 A 20190128

Priority

- US 201815881140 A 20180126
- EP 18165085 A 20180329
- US 2019015329 W 20190128

Abstract (en)

[origin: WO2019148064A1] A reflective layer for use in lighting devices and methods of forming the reflective layer are provided. The reflective layer may include a dielectric layer including one or more insulating materials. An intermediate layer may be formed on the dielectric layer. The intermediate layer may include one or more materials having a higher enthalpy of reaction than the one or more insulating materials. Because of the higher enthalpy of reaction, atoms of the one or more materials in the intermediate layer may form bonds with atoms of the one or more insulating materials. A metal layer may be formed on the intermediate layer to reflect light emitted from an active region of a light emitting diode (LED).

IPC 8 full level

H01L 33/46 (2010.01)

CPC (source: EP KR)

H01L 33/46 (2013.01 - EP KR)

Citation (search report)

See references of WO 2019148064A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2019148064 A1 20190801; CN 111971806 A 20201120; EP 3743949 A1 20201202; KR 20200121815 A 20201026; TW 201933623 A 20190816; TW I703740 B 20200901

DOCDB simple family (application)

US 2019015329 W 20190128; CN 201980022360 A 20190128; EP 19703229 A 20190128; KR 20207024642 A 20190128; TW 108103146 A 20190128