

Title (en)

CERAMIC CARRIER AND BUILD UP CARRIER FOR LIGHT-EMITTING DIODE (LED) ARRAY

Title (de)

KERAMISCHER TRÄGER UND AUFBAUTRÄGER FÜR LEUCHTDIODENANORDNUNG

Title (fr)

SUPPORT CÉRAMIQUE ET SUPPORT DE MONTAGE POUR RÉSEAU DE DIODES ÉLECTROLUMINESCENTES (DEL)

Publication

**EP 4088555 A1 20221116 (EN)**

Application

**EP 21702353 A 20210107**

Priority

- US 202062958058 P 20200107
- US 202016809104 A 20200304
- EP 20166601 A 20200330
- US 2021012425 W 20210107

Abstract (en)

[origin: WO2021142066A1] Circuit boards, LED lighting systems and methods of manufacture are described. A circuit board (200) includes a ceramic carrier (202) and a body (212) on the ceramic carrier. The body includes dielectric layers (204) and slots or vias (206) formed completely through a thickness of the dielectric layers. The slots are filled with a metal material. A conductive pad (208) is provided on a surface of each of the slots opposite the ceramic carrier.

IPC 8 full level

**H05K 1/02** (2006.01); **H05K 1/18** (2006.01); **H05K 3/00** (2006.01); **H05K 3/10** (2006.01); **H05K 3/46** (2006.01)

CPC (source: EP KR)

**H05K 1/0203** (2013.01 - EP); **H05K 1/0206** (2013.01 - KR); **H05K 3/0097** (2013.01 - EP KR); **H05K 3/4605** (2013.01 - EP KR); **H05K 1/181** (2013.01 - EP KR); **H05K 3/108** (2013.01 - EP KR); **H05K 2201/10106** (2013.01 - EP KR)

Citation (search report)

See references of WO 2021142066A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021142066 A1 20210715**; CN 115176527 A 20221011; EP 4088555 A1 20221116; JP 2023510760 A 20230315; KR 20220123451 A 20220906; TW 202135357 A 20210916; TW I782388 B 20221101

DOCDB simple family (application)

**US 2021012425 W 20210107**; CN 202180019644 A 20210107; EP 21702353 A 20210107; JP 2022541872 A 20210107; KR 20227026783 A 20210107; TW 110100659 A 20210107