

Title (en)

LIGHT DEVICE HAVING THERMOSET COMPOSITE HOUSING AND ELECTRICAL INTERCONNECT

Title (de)

LEUCHTENVORRICHTUNG MIT DUROPLASTISCHEM VERBUNDSTOFFGEHÄUSE UND ELEKTRISCHER VERBINDUNG

Title (fr)

DISPOSITIF D'ÉCLAIRAGE COMPRENANT UN BOÎTIER EN COMPOSITE THERMODURCI ET UNE CONNEXION ÉLECTRIQUE

Publication

EP 2304310 A4 20121128 (EN)

Application

EP 08772036 A 20080626

Priority

US 2008068360 W 20080626

Abstract (en)

[origin: WO2009157936A1] A light device is provided that includes a light source and electrical circuitry for supplying electrical power to the light source. The light device also includes a housing having first and second ends and a hollow interior defining a compartment for holding a power source. The housing comprises a woven fiber thermoset composite. The housing is made by applying woven fibers to a mandrel and impregnating the woven fibers with an epoxy and curing the epoxy impregnated woven fibers to form the thermoset composite housing. An electrical interconnect is provided within the housing having first and second resilient contacts for providing an electrical connection between the power source and the light source.

IPC 8 full level

B29C 70/32 (2006.01); **F21L 4/00** (2006.01); **F21L 4/02** (2006.01); **F21L 4/04** (2006.01); **F21V 15/01** (2006.01); **F21V 23/04** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)

B29C 70/32 (2013.01 - EP); **F21L 4/027** (2013.01 - EP US); **F21V 15/01** (2013.01 - EP); **F21V 23/0414** (2013.01 - EP); **B29L 2031/747** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US); **H01H 1/242** (2013.01 - EP)

Citation (search report)

- [X] US 7281815 B1 20071016 - GUSTAFSON DEREK G [US], et al
- [Y] WO 2006099671 A1 20060928 - QUICKSTEP TECHNOLOGIES PTY LTD, et al
- [XY] US 5158357 A 19921027 - MCDERMOTT KEVIN [US]
- [X] US 3711768 A 19730116 - FRAZIN B
- [A] US 2005206043 A1 20050922 - FRANKEL KENNETH A [US]
- See references of WO 2009157936A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2009157936 A1 20091230; EP 2304310 A1 20110406; EP 2304310 A4 20121128

DOCDB simple family (application)

US 2008068360 W 20080626; EP 08772036 A 20080626