

Title (en)

Protective element for a circuit board in a light

Title (de)

Schutzelement für eine Platine in einer Leuchte

Title (fr)

Élément de protection pour une platine dans une lampe

Publication

EP 2453168 A3 20140212 (DE)

Application

EP 11188574 A 20111110

Priority

DE 202010009018 U 20101112

Abstract (en)

[origin: EP2453168A2] The element (2) has a covering element (10), and a holding element (12) holding the covering element at a printed circuit board (4) and/or a carrier element of a lamp, where the protection element is arranged at the carrier element of the lamp together with the circuit board and an electronic component (6). The covering element includes edges that are formed by bends and run parallel to each other. The covering element is made from electrically insulated material i.e. polycarbonate, and the holding element is designed as a locking element and made from plastic. An independent claim is also included for a lamp comprising a protection element.

IPC 8 full level

F21V 15/01 (2006.01); **F21V 23/00** (2006.01); **H05B 41/02** (2006.01)

CPC (source: EP US)

F21V 15/01 (2013.01 - EP); **F21V 23/00** (2013.01 - EP US); **H05B 41/02** (2013.01 - EP)

Citation (search report)

- [XA] FR 2633142 A1 19891222 - SCOLA MICHEL [FR]
- [XA] US 2009295304 A1 20091203 - YANG KEVIN [US]
- [XAI] US 6039582 A 20000321 - GEIS DAVID G [US], et al
- [XA] EP 0439122 A2 19910731 - TOKYO ELECTRIC CO LTD [JP]

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)

DE 202010009018 U1 20120213; EP 2453168 A2 20120516; EP 2453168 A3 20140212; EP 2453168 B1 20180613

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