

Title (en)

ALARM FLASHING LIGHT FOR AN ALARM SYSTEM WITH A PLANAR LUMINOUS THIN-FILM COMPONENT OF ORGANIC SEMICONDUCTING MATERIALS (OLED)

Title (de)

ALARMBLITZLEUCHTE FÜR EINE GEFAHREMELDEANLAGE MIT EINEM FLÄCHIGLEUCHTENDEN DÜNNSCHICHTBAUELEMENT AUS ORGANISCHEN HALBLEITENDEN MATERIALIEN (OLED)

Title (fr)

FEU CLIGNOTANT D'ALARME POUR UN SYSTEME D'ALARME AVEC UN MODULE LUMINEUX PLANAIRE DE FILM MINCE DE MATÉRIAUX SEMI-CONDUCTEURS ORGANIQUES (OLED)

Publication

EP 3227872 B1 20210127 (DE)

Application

EP 15802155 A 20151202

Priority

- DE 102014224643 A 20141202
- EP 2015078308 W 20151202

Abstract (en)

[origin: WO2016087492A1] The invention relates to a flashing alarm light (1) for an alarm system (10), said flashing alarm light comprising: a flashing light source (2) for an optical warning in the event of a hazard; an energy store (3) for storing electrical energy (E); a switching element (4); and a control unit (5) for releasing the stored electrical energy via the switching element to the flashing light source. The flashing alarm light further comprises a housing (9) which has a fastening surface (BF) on the housing side for direct wall or ceiling mounting or for fastening to a base (SO) for indirect wall or ceiling mounting. According to the invention, the flashing light source is a thin film component consisting of organic semiconducting materials and producing planar illumination (OLED). In particular, the thin film component is attached to the housing. The thin film component has an inner surface (IF) facing the housing and a lighting surface (LF) that is directed away from the housing and outwardly arched. The lighting surface comprises e.g. a portion of the surface of a sphere, cylinder or ellipsoid. By means of appropriate shaping of the curvature, it is possible to adapt the radiation characteristics of the thin film component producing planar illumination to the European Standard EN 54-23 or the North American Standard UL 1971 v3.

IPC 8 full level

G08B 5/38 (2006.01)

CPC (source: EP)

G08B 5/38 (2013.01)

Citation (examination)

DE 10239347 A1 20040318 - FHF FUNKE & HUSTER FERNSIG GMB [DE]

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)

WO 2016087492 A1 20160609; EP 3227872 A1 20171011; EP 3227872 B1 20210127

DOCDB simple family (application)

EP 2015078308 W 20151202; EP 15802155 A 20151202