

Title (en)

BUILT-IN ILLUMINATOR AS AN INTERIOR AND EXTERIOR LIGHT

Title (de)

EINBAULEUCHTE ALS INNEN- UND AUSSENLEUCHTE

Title (fr)

LUMINAIRE ENCASTRE EN TANT QUE LUMINAIRE INTERIEUR ET EXTERIEUR

Publication

EP 1963734 A1 20080903 (DE)

Application

EP 06841530 A 20061220

Priority

- EP 2006070038 W 20061220
- DE 202005019888 U 20051221

Abstract (en)

[origin: WO2007071746A1] Disclosed is a built-in illuminator (10) which is used as an exterior and interior light and comprises an LED wafer (20) that is disposed in a housing (11) and can be inserted into an elongate hole (26) in a wall. In order to further develop said built-in illuminator (10) such that the same can be incorporated into thin-walled tubes (25) with a light diffusion surface lying flush in the external face, the housing (11) matches the shape of the elongate hole (26) in the wall (27) of the tube (25), the width of the housing (11) matching the width of the elongate hole (26) and the length thereof being greater than the length of the elongate hole (26). Furthermore, both ends of the housing (11) are provided with notches which are embodied as flanged ends (12) with a light diffusion point (15) that protrudes therebetween, the height of the protrusion matching the thickness of the wall (27) and the light diffusion surface (16) of the light diffusion point (15) lying flush inside the external face of the wall (27). The housing (11) is fitted with a hollow space into which the LED wafer (20) that encompasses electrical connection means is inserted. The housing (11) is also fitted with means for attaching the built-in illuminator (10) to the wall (27).

IPC 8 full level

F21S 4/00 (2006.01); **E04F 11/18** (2006.01)

CPC (source: EP US)

E04F 11/18 (2013.01 - EP US); **F21S 4/28** (2016.01 - EP); **F21W 2111/08** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

See references of WO 2007071746A1

Cited by

WO2016207008A1; EP3109535A1; CN108027120A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007071746 A1 20070628; AT E431524 T1 20090515; DE 202005019888 U1 20060413; DE 502006003744 D1 20090625; DK 1963734 T3 20090817; EP 1963734 A1 20080903; EP 1963734 B1 20090513; ES 2325224 T3 20090828

DOCDB simple family (application)

EP 2006070038 W 20061220; AT 06841530 T 20061220; DE 202005019888 U 20051221; DE 502006003744 T 20061220; DK 06841530 T 20061220; EP 06841530 A 20061220; ES 06841530 T 20061220