

Title (en)
Portable lamp with light-emitting diodes

Title (de)
Tragbare Lampe mit Elektrolumineszenzdioden

Title (fr)
Lampe portative à diodes électroluminescentes

Publication
EP 2053308 A1 20090429 (FR)

Application
EP 08354058 A 20080828

Priority
FR 0707434 A 20071023

Abstract (en)
The lamp has a case enclosing an electrical power source e.g. battery, and a lighting module equipped with a printed circuit (5). A LED and a switch (4) equipped with an actuating push-button are arranged on the circuit. The switch is arranged against a surface (6) of the circuit after passage of the push-button in a traversing orifice, where the push-button and the orifice are coaxial. The switch is provided with strips (13), where the strips are folded in right angle on a lateral surface (14) of the switch.

Abstract (fr)
Lampe portative comportant un module d'alimentation électrique 10, et un module d'éclairage 12 répartis dans une architecture triangulaire. Le module d'éclairage comporte un circuit imprimé sur une face duquel sont montés au moins une LED 3 et un interrupteur 4. La surface supérieure de l'interrupteur comportant un bouton-poussoir 8 placé contre une première face 6 du circuit imprimé 5. Le circuit imprimé 5 comporte un orifice traversant 9 laissant accessible le bouton-poussoir 8 par une deuxième face 7 du circuit imprimé 5.

IPC 8 full level
F21V 23/04 (2006.01); **F21L 4/00** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)
F21L 4/00 (2013.01 - EP US); **F21V 23/0414** (2013.01 - EP US); **F21Y 2115/10** (2016.08 - EP US)

Citation (applicant)
US 2006203477 A1 20060914 - CHIEN MING-CHUAN [TW]

Citation (search report)

- [A] DE 202007010178 U1 20070927 - MELITEC GMBH [DE]
- [A] DE 20208203 U1 20031009 - WALZ GMBH & CO [DE]
- [A] US 2006203477 A1 20060914 - CHIEN MING-CHUAN [TW]
- [A] US 2006072310 A1 20060406 - HUNG CHENG-PIN [TW]
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- [A] DE 9302212 U1 19930401
- [A] US 2002136006 A1 20020926 - ALTMAN PETER [US]

Citation (examination)
US 5552964 A 19960903 - NAITO HAYATO [JP]

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

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08354058 A 20080828; CN 200810166129 A 20081008; FR 0707434 A 20071023; US 23066808 A 20080903