

Title (en)  
Multi-functional illuminating lamp

Title (de)  
Multifunktionale Lampe

Title (fr)  
Lampe multifonctionnelle

Publication  
**EP 1643185 A1 20060405 (EN)**

Application  
**EP 05019669 A 20050909**

Priority  
CN 200420090725 U 20040930

Abstract (en)  
This new pragmatic invention refers to a kind of multi-functional illuminating lamp (2), especially a kind of illuminating lamp fixed on the parasol. The lamp panel (1) is consisted of two separate structures, the left lamp panel (1a) and the right lamp panel (1b) jointed by means of flexible connection. There is a concave hole (4a,4b) at the appropriate position at the junction plane of the left lamp panel (1a) and the right lamp panel (1b), which will form a through hole (4) housing the bar after the two lamp panels (1a,1b) are attached together. On the lamp panel (1) there is a locking device (3) to lock the lamp panel (1) onto the bar and adjust it as well as the storage batteries (9) to provide power for the lamps (2). The multi-functional lamp can be fixed on bars of various sizes and is convenient to assemble and disassemble. Moreover, it is easy to use and carry with storage batteries (9) as the power supply and is elegant and beautiful in look for concealing power cord inside.

IPC 8 full level  
**F21S 9/03** (2006.01); **A45B 3/04** (2006.01); **F21L 4/08** (2006.01); **F21S 9/02** (2006.01); **F21V 15/01** (2006.01); **F21V 21/088** (2006.01); **F21V 21/34** (2006.01)

CPC (source: EP US)  
**A45B 3/04** (2013.01 - EP); **F21S 9/02** (2013.01 - EP); **F21S 9/035** (2013.01 - EP); **F21V 15/01** (2013.01 - EP); **F21V 21/088** (2013.01 - EP); **F21V 21/34** (2013.01 - EP); **F21V 33/006** (2013.01 - EP US); **A45B 2023/0012** (2013.01 - EP); **A45B 2025/003** (2013.01 - EP); **A45B 2200/1027** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [YA] GB 2396205 A 20040616 - DRINKEL DAVID ALAN [GB]
- [YA] US 4425602 A 19840110 - LANSING LAWRENCE A [US]
- [A] US 5584564 A 19961217 - PHYLE CHARLES E [US]
- [A] DE 9319387 U1 19940224 - ZACH JR [AT]
- [A] US 4174532 A 19791113 - KELLEY RICHARD L [US]

Cited by  
ITPD20110272A1; CN104654216A; CN111391028A; GB2425825A; GB2516017A; GB2516017B; WO2020156596A1

Designated contracting state (EPC)  
BE DE FR GB NL

DOCDB simple family (publication)  
**EP 1643185 A1 20060405**; **EP 1643185 B1 20080514**; CN 2736635 Y 20051026; DE 602005006695 D1 20080626

DOCDB simple family (application)  
**EP 05019669 A 20050909**; CN 200420090725 U 20040930; DE 602005006695 T 20050909