

Title (en)

Halogen rechargeable lamp with LED's and fluorescent light

Title (de)

Wiederaufladbare Halogenlampe mit Leuchtdioden und fluoreszierendem Licht

Title (fr)

Lampe halogène rechargeable à diodes électroluminescentes et lumière fluorescente

Publication

EP 1647762 A3 20081029 (DE)

Application

EP 05022035 A 20051010

Priority

HK 04108026 A 20041016

Abstract (en)

[origin: CN2763682Y] The utility model discloses a hand-held photoelectron exploring lamp. A lamp body is provided with an inner chamber of which one end is provided with a chamber of a focus lamp unit; a changeable focus lamp is arranged in the chamber of the focus lamp unit; the rear part of the chamber of the focus lamp unit is connected with a power source circuit device; a handle is fixedly connected with the lamp body; a foot rack is supported at the lower part of the lamp body; a chamber of an energy-saving ultra-optical lamp unit is also arranged in the inner chamber of the lamp body; at least four photoelectron cold cathode light-emitting lamps are arranged in the chamber of the energy-saving ultra-optical lamp unit; the photoelectron cold cathode light-emitting lamps are connected with a circuit board; the rear end of the lamp body is movably connected with an assembly of each of the photoelectron cold cathode light-emitting lamps; each photoelectron cold cathode light-emitting lamp comprises a lamp cover and a photoelectron cold cathode fluorescent lamp which is positioned in the lamp cover; the folding angle between the foot rack and the lamp body is movably adjusted by the foot rack. The hand-held photoelectron exploring lamp of the utility model is easy to be carried by hands; besides, the utility model can be put on a plane to be supported by the foot rack when the utility model is used for searching for objects for a long time or multi-angle illumination; therefore, an optimum illumination angle is obtained.

IPC 8 full level

F21L 4/02 (2006.01)

IPC 8 main group level

F21V (2006.01)

CPC (source: EP US)

F21L 4/025 (2013.01 - EP US); **F21Y 2101/00** (2013.01 - EP US); **F21Y 2103/00** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

- [A] GB 2364948 A 20020213 - JOHN MFG LTD [HK]
- [A] EP 1371896 A2 20031217 - WIEGAND HARALD [DE]
- [A] WO 2004044942 A2 20040527 - VECTOR PROD INC [US], et al
- [A] US 2003039118 A1 20030227 - OSIECKI SCOTT W [US], et al

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202005014913 U1 20051208; CN 2763682 Y 20060308; EP 1647762 A2 20060419; EP 1647762 A3 20081029; HK 1069071 A2 20050506; US 2006082992 A1 20060420

DOCDB simple family (application)

DE 202005014913 U 20050921; CN 200520000872 U 20050114; EP 05022035 A 20051010; HK 04108026 A 20041016; US 6777005 A 20050228