

Title (en)
Torch that can be focussed

Title (de)
Fokussierbare Taschenlampe

Title (fr)
Lampe de poche pouvant être focalisée

Publication
EP 2410232 A3 20140226 (DE)

Application
EP 10173781 A 20100824

Priority
CN 201010236838 A 20100723

Abstract (en)
[origin: EP2410232A2] The pocket lamp (1) has a housing (2), a light source (3) and an attachment optics (4) arranged in a lamp head (5). A connecting element (6) is arranged with a ring (10) between the lamp head and the housing, where the ring is made of light-transparent material. The lamp head has a bush-shaped partial area (9) which covers the ring in a position in a complete manner. The ring is made of aluminum.

IPC 8 full level
F21L 4/00 (2006.01); **F21V 14/06** (2006.01)

CPC (source: EP US)
F21V 14/065 (2013.01 - EP US)

Citation (search report)

- [X] US 5595435 A 19970121 - PALMER GARY L [US], et al
- [X] US 5440462 A 19950808 - KIM RICHARD [US], et al
- [X] US 7473007 B1 20090106 - WANG CHENG-KUO [TW]
- [X] US 2008068833 A1 20080320 - SHIAU WEN-CHIN [TW]
- [X] US 5735594 A 19980407 - OWN JAMES [TW]
- [X] US 5349506 A 19940920 - MAGLICA ANTHONY [US]
- [AD] DE 20308739 U1 20031002 - ZWEIBRUEDER OPTOELECTRONICS [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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
DE 202010011735 U1 20111110; CN 102338283 A 20120201; CN 102338283 B 20150603; DK 2410232 T3 20151123; EP 2410232 A2 20120125; EP 2410232 A3 20140226; EP 2410232 B1 20150930; ES 2552245 T3 20151126; JP 2012028309 A 20120209; JP 5607570 B2 20141015; PL 2410232 T3 20160229; US 2012020062 A1 20120126; US 8974075 B2 20150310

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DE 202010011735 U 20100824; CN 201010236838 A 20100723; DK 10173781 T 20100824; EP 10173781 A 20100824; ES 10173781 T 20100824; JP 2011084503 A 20110406; PL 10173781 T 20100824; US 201113187639 A 20110721