

Title (en)  
Manually rechargeable torch

Title (de)  
Manuell aufladbare Taschenlampe

Title (fr)  
Lampe de poche rechargeable manuellement

Publication  
**EP 1801489 A1 20070627 (DE)**

Application  
**EP 06026548 A 20061221**

Priority  
CN 200520142789 U 20051223

Abstract (en)  
The flashlight has a head, a front casing (10) and a rear casing (1), where the front and the rear casings are rotated against each other in two directions around its axis. The head is fixed at the front casing, where a dynamo (3), rechargeable battery (6) or capacitor, a circuit board and a control switch are arranged in the interior of the front casing. An outer side of the front casing is provided with an operation button, which cooperates with the control switch.

IPC 8 full level  
**F21L 13/06** (2006.01)

CPC (source: EP US)  
**F21L 13/06** (2013.01 - EP US); **F21Y 2115/10** (2016.07 - EP US)

Citation (applicant)  
US 3099402 A 19630730 - JOSEF SPECK

Citation (search report)  

- [XY] US 3099402 A 19630730 - JOSEF SPECK
- [Y] GB 536340 A 19410512 - JOSEPH CAPO BIANCO
- [YA] WO 2005078904 A1 20050825 - BOYLE PETER JAMES [CN], et al
- [Y] US 2004190286 A1 20040930 - CHAPMAN LEONARD T [US]
- [A] GB 2380540 A 20030409 - FREEPLAY MARKET DEV LTD [GB]

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)  
**EP 1801489 A1 20070627**; CN 2861709 Y 20070124; DE 202006020275 U1 20080403; DE 202006020276 U1 20080403; JP 2007173202 A 20070705; US 2007159823 A1 20070712; US 7465061 B2 20081216

DOCDB simple family (application)  
**EP 06026548 A 20061221**; CN 200520142789 U 20051223; DE 202006020275 U 20061221; DE 202006020276 U 20061221; JP 2006206035 A 20060728; US 27715806 A 20060322