

Title (en)  
Torch

Title (de)  
Taschenlampe

Title (fr)  
Lampe de poche

Publication  
**EP 2228586 B1 20111012 (DE)**

Application  
**EP 09003531 A 20090311**

Priority  
EP 09003531 A 20090311

Abstract (en)  
[origin: EP2228586A1] The torch (1) has two contact springs (7) differently connected with electric current by rotating a printed circuit board (8). A connecting device has an electronic circuit (10) arranged between lighting units i.e. LEDs, and the springs. The springs transmit electric current for signaling a logical condition to the electronic circuit. The electronic circuit individually feeds the lighting units with continuous electric current or with current pulses whose frequency is 20 cycles per second to 200 kiloHertz. The electronic circuit varies the pulse-pause ratio depending on the logical condition.

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

CPC (source: EP US)  
**F21L 4/025** (2013.01 - EP); **F21V 23/0414** (2013.01 - EP US); **H05B 45/30** (2020.01 - EP US); **F21L 4/027** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

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**EP 2228586 A1 20100915; EP 2228586 B1 20111012; AT E528577 T1 20111015**

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