

Title (en)  
LIGHTING AND FLASHLIGHT DEVICE

Publication  
**EP 0240789 B1 19910626 (DE)**

Application  
**EP 87103920 A 19870318**

Priority  
DE 3612164 A 19860411

Abstract (en)  
[origin: US4853600A] The illumination device includes a charging part, an energy storage device, a flash tube and an amplitude control device, by means of which the energy storage device can be charged to different voltages. A time control device is superposed upon the amplitude control device. In consequence of the two control devices, the flash tube emits light with a predetermined color temperature as a function of the set amplitude and of the set flash duration. The color temperature can thereby be influenced in a controlled manner, with the maintenance of a very fine setting of the quantity of light, and can also be maintained constant independent of the quantity of light emitted.

IPC 1-7  
**H05B 41/32**

IPC 8 full level  
**G03B 15/05** (2006.01); **H05B 41/32** (2006.01)

CPC (source: EP US)  
**H05B 41/32** (2013.01 - EP US)

Cited by  
DE102007043093A1; EP0525340A1; WO2009034065A1; EP2957151B1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0240789 A1 19871014; EP 0240789 B1 19910626**; AT E64807 T1 19910715; CH 672703 A5 19891215; DE 3612164 A1 19871015; DE 3612164 C2 19900308; DE 3770971 D1 19910801; ES 2024448 B3 19920301; JP S62259393 A 19871111; US 4853600 A 19890801

DOCDB simple family (application)  
**EP 87103920 A 19870318**; AT 87103920 T 19870318; CH 107787 A 19870320; DE 3612164 A 19860411; DE 3770971 T 19870318; ES 87103920 T 19870318; JP 8722387 A 19870410; US 3772287 A 19870413