

Title (en)  
SYSTEM FOR OPERATING A PORTABLE LAMP

Publication  
**EP 0427042 A3 19920527 (DE)**

Application  
**EP 90120310 A 19901023**

Priority  
DE 3936809 A 19891104

Abstract (en)  
[origin: CA2028886A1] Provided in a portable lamp is a cathode-heatable fluorescent bulb which is supplied from a rechargeable battery. For the purpose of charging, the lamp is coupled with a charging device situated in a region which is not at risk. The charging device is provided with separate connections for the charging voltage and for the application of a heating and starting voltage. At the beginning of the recharging phase, The battery current supply circuit for the bulb is interrupted. When removing the lamp the battery current supply circuit is closed, a heating voltage made available from the charging device and applied to the cathode of the bulb, Thereafter, the starting. voltage is developed in a starting device and applied to the bulb electrodes. Only after striking of the bulb is the lamp electrically decoupled from the charging device Starting the preheating is thus effected by means of the charging device. The lamp includes an incandescent bulb with a separate reflector

IPC 1-7  
**H05B 41/36**; **H05B 41/232**; **H05B 41/38**

IPC 8 full level  
**F21V 25/12** (2006.01); **H05B 41/232** (2006.01); **H05B 41/36** (2006.01); **H05B 41/38** (2006.01)

CPC (source: EP US)  
**H05B 41/2325** (2013.01 - EP US); **H05B 41/36** (2013.01 - EP US); **H05B 41/382** (2013.01 - EP US)

Citation (search report)

- [A] US 3953768 A 19760427 - MEREDITH RONALD D, et al
- [A] EP 0314031 A2 19890503 - CEAG LICHT & STROM [DE]
- [A] EP 0055995 A1 19820714 - PHILIPS PATENTVERWALTUNG [DE], et al
- [A] US 3869640 A 19750304 - KOLOMYJEC TARAS AVENIR

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US6316911B1; US7446086B2

Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**DE 3936809 C1 19910221**; AU 636922 B2 19930513; AU 6567690 A 19910509; CA 2028886 A1 19910505; DE 59008078 D1 19950202; EP 0427042 A2 19910515; EP 0427042 A3 19920527; EP 0427042 B1 19941221; ES 2067619 T3 19950401; US 5107180 A 19920421

DOCDB simple family (application)  
**DE 3936809 A 19891104**; AU 6567690 A 19901031; CA 2028886 A 19901030; DE 59008078 T 19901023; EP 90120310 A 19901023; ES 90120310 T 19901023; US 60790490 A 19901101