

Title (en)  
Circuit improvement for low pressure discharge lamp

Title (de)  
Verbesserte Anlaufschaltung für Niederdruck-Entladungslampe

Title (fr)  
Circuit amélioré pour lampe à décharge basse pression

Publication  
**EP 0989785 A3 20000412 (DE)**

Application  
**EP 99112640 A 19990702**

Priority  
DE 19838830 A 19980826

Abstract (en)  
[origin: US6163114A] In an operating circuit for a low-pressure discharge lamp, the lamp current is controlled depending on the lamp temperature or the luminous flux.

IPC 1-7  
**H05B 41/00**; G05F 1/00; H01J 61/52; H05B 37/02; H05B 41/285; H05B 41/38

IPC 8 full level  
**H05B 41/18** (2006.01); **G05F 1/00** (2006.01); **H01J 61/52** (2006.01); **H05B 37/02** (2006.01); **H05B 41/00** (2006.01); **H05B 41/285** (2006.01); **H05B 41/36** (2006.01); **H05B 41/38** (2006.01); **H05B 41/39** (2006.01)

CPC (source: EP KR US)  
**H05B 41/36** (2013.01 - KR); **H05B 41/386** (2013.01 - EP US); **H05B 41/39** (2013.01 - EP US); **Y10S 315/05** (2013.01 - EP US); **Y10S 315/07** (2013.01 - EP US)

Citation (search report)

- [X] US 5404083 A 19950404 - NILSEN OLE K [US]
- [X] US 5710489 A 19980120 - NILSEN OLE K [US]
- [X] EP 0483082 A2 19920429 - MARELLI AUTRONICA [IT]
- [X] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01 28 February 1995 (1995-02-28)

Cited by  
DE102005058574A1; DE102005058574B4; WO0133918A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6163114 A 20001219**; AT E215297 T1 20020415; CA 2281439 A1 20000226; CA 2281439 C 20090519; CN 1246029 A 20000301; DE 19838830 A1 20000302; DE 59901049 D1 20020502; EP 0989785 A2 20000329; EP 0989785 A3 20000412; EP 0989785 B1 20020327; JP 2000068081 A 20000303; KR 100404524 B1 20031105; KR 20000017548 A 20000325; TW 454427 B 20010911

DOCDB simple family (application)  
**US 36290799 A 19990729**; AT 99112640 T 19990702; CA 2281439 A 19990825; CN 99118152 A 19990826; DE 19838830 A 19980826; DE 59901049 T 19990702; EP 99112640 A 19990702; JP 23572299 A 19990823; KR 19990035551 A 19990826; TW 88114176 A 19990819