

Title (en)
Method to control fluorescent lamps

Title (de)
Verfahren zum Betreiben von Leuchtstofflampen und Vorschaltgerät

Title (fr)
Procédé de commande de lampes fluorescentes

Publication
EP 1395096 A3 20050907 (DE)

Application
EP 03017859 A 20030805

Priority
DE 10240807 A 20020830

Abstract (en)
[origin: EP1395096A2] The method involves using a voltage adapter, a controller and at least one load circuit connected to the adapter's inverter forming a resonant circuit in which at least one lamp is operated with a HF current from the inverter whose frequency is varied to set the power taken by the lamp by a first control loop. A second control loop with a shorter cycle than the first stabilizes the power take-up of the at least one lamp to a defined value. The method involves using a voltage adapter, a controller (ST) and at least one load circuit connected to the adapter's inverter forming a resonant circuit in which at least one lamp (LP) is operated with a high frequency current from the inverter whose frequency is varied to set the power taken by the lamp by a first control loop. A second control loop with a shorter cycle than the first stabilizes the power take-up of the at least one lamp to a defined value. AN Independent claim is also included for the following: (a) a voltage adapter for operating fluorescent lamps

IPC 1-7
H05B 41/298; **H05B 41/392**

IPC 8 full level
H05B 41/298 (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)
H05B 41/2988 (2013.01 - EP US); **H05B 41/3925** (2013.01 - EP US)

Citation (search report)

- [X] EP 0287360 A2 19881019 - SHARP KK [JP]
- [A] US 4894587 A 19900116 - JUNGREIS AARON [US], et al
- [A] EP 0529901 A1 19930303 - GEN ELECTRIC [US]
- [A] US 4463287 A 19840731 - PITEL IRA J [US]
- [DX] US 5066894 A 19911119 - KLIER JUERGEN [DE]
- [X] EP 0973361 A2 20000119 - MITSUBISHI ELECTRIC CORP [JP], et al
- [A] EP 0394966 A2 19901031 - MATSUSHITA ELECTRIC WORKS LTD [JP]
- [X] US 5563477 A 19961008 - RIBARICH THOMAS [CH], et al
- [X] US 5648702 A 19970715 - CHOI NAK-CHOON [KR], et al

Cited by
WO2011070470A1; CN102640572A; US8664894B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1395096 A2 20040303; **EP 1395096 A3 20050907**; **EP 1395096 B1 20110420**; AT E506837 T1 20110515; CA 2437995 A1 20040330; DE 10240807 A1 20040311; DE 50313622 D1 20110601; TW 200407055 A 20040501; TW I273863 B 20070211; US 2004051481 A1 20040318; US 6933682 B2 20050823

DOCDB simple family (application)
EP 03017859 A 20030805; AT 03017859 T 20030805; CA 2437995 A 20030825; DE 10240807 A 20020830; DE 50313622 T 20030805; TW 92120642 A 20030729; US 64395203 A 20030820