

Title (en)

Apparatus for controlled supply of lighting systems

Title (de)

Vorrichtung zur gesteuerten Stromversorgung von Beleuchtungssystemen

Title (fr)

Appareil de contrôle d'alimentation des systèmes d'éclairage

Publication

**EP 1819206 A3 20080716 (EN)**

Application

**EP 07101948 A 20070208**

Priority

IT BO20060103 A 20060214

Abstract (en)

[origin: EP1819206A2] An apparatus for controlled supply of lighting systems powered by an alternating voltage (V AC ) source, with interposition of protection means and supplying a plurality of electric loads (L 1 , L 2 , ..., L j , ..., L n ), includes a device for converting the alternating voltage (V AC ) into a direct voltage (V DC ), made available at the outlet terminals. A plurality of modulating units (U 1 , U 2 , ..., U j , ..., U,) are connected respectively to the plurality of electric loads (L 1 , L 2 , ..., L j , ..., L n ) and supplied by the direct voltage (V DC ). Each unit (U j ) includes at least one solid state electronic switch (E 1 , E 2 , ..., E j , E J A , E J B , E J C , E J D ), which is enabled/disabled to allow circulation of an electrical current (I j ) through the corresponding load (L j ). A central unit is provided for enabling/disabling the solid state electronic switches (E 1 , E 2 , ..., E j , E J A , E J B , E J C , E J D , ...,E n ) by respective control signals (S 1 , S 2 , ..., S j , S J A , S J B , S J C , S J D , ..., S n ), according to a prefixed modulation technique.

IPC 8 full level

**H05B 41/28** (2006.01); **H05B 37/02** (2006.01)

CPC (source: EP)

**H05B 41/28** (2013.01)

Citation (search report)

- [X] WO 0110176 A1 20010208 - KONINKL PHILIPS ELECTRONICS NV [NL]
- [X] DE 29622825 U1 19970710 - LOHMANN WERKE GMBH & CO [DE]
- [X] US 2006002110 A1 20060105 - DOWLING KEVIN J [US], et al

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1819206 A2 20070815; EP 1819206 A3 20080716; IT BO20060103 A1 20070815**

DOCDB simple family (application)

**EP 07101948 A 20070208; IT BO20060103 A 20060214**