

Title (en)
IMPROVEMENTS TO LIGHTING SYSTEMS

Title (de)
VERBESSERUNGEN AN BELEUCHTUNGSSYSTEMEN

Title (fr)
AMELIORATIONS APORTEES A DES SYSTEMES D'ECLAIRAGE

Publication
EP 1920638 B1 20110810 (EN)

Application
EP 06779279 A 20060904

Priority

- GB 2006003259 W 20060904
- GB 0517959 A 20050903
- GB 0526338 A 20051223

Abstract (en)
[origin: WO2007026170A2] The present invention relates to power adaptors for solid state lighting units and fixtures, of a kind including light emitting diodes, one of the adaptors comprising an input for receiving a phase controlled input power signal of varying on- duration and a controller coupled to the input and operable to produce at least one pulsed output driving signal in which both the duration and height of the pulses are varied according to the on-duration of the input power signal, to thereby control a light intensity output of the solid state lighting unit, such that the output is made to vary in a way that substantially matches the intensity response of the human eye. Various other arrangements of power adaptors are described along with dimmer controllers for use with the power adaptors, including some which involve motion sensing techniques.

IPC 8 full level
H05B 44/00 (2022.01)

CPC (source: EP US)
H05B 45/00 (2020.01 - EP US); **H05B 45/10** (2020.01 - EP); **H05B 47/00** (2020.01 - EP); **H05B 45/31** (2020.01 - EP US); **H05B 45/325** (2020.01 - EP US); **H05B 45/37** (2020.01 - EP US)

Cited by
WO2015184485A1

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

DOCDB simple family (publication)
WO 2007026170 A2 20070308; WO 2007026170 A3 20070614; EP 1920638 A2 20080514; EP 1920638 B1 20110810

DOCDB simple family (application)
GB 2006003259 W 20060904; EP 06779279 A 20060904