

Title (en)

DRIVER FOR CONTROLLING LIGHT EMITTING POLYMER AND METHOD THEREOF

Title (de)

TREIBER ZUR STEUERUNG VON LEUCHTPOLYMER UND VERFAHREN DAFÜR

Title (fr)

CIRCUIT D'ATTAQUE PERMETTANT DE COMMANDER UN POLYMERE ELECTROLUMINESCENT ET PROCEDE ASSOCIE

Publication

**EP 1991977 A4 20100310 (EN)**

Application

**EP 06757649 A 20060504**

Priority

- KR 2006001701 W 20060504
- KR 20060004863 U 20060222

Abstract (en)

[origin: WO2007097496A1] A driver for driving a LEP sheet and a method of driving the same are disclosed. A driver for controlling a light emitting polymer display converts a power source of a common current (AC) into a power source of direct current at a voltage of 130V to 140V, and supplies it to a light emitting polymer display sheet (LEP) at a frequency of 750KHz to 850KHz modulated by a PWM method. Accordingly, a brightness of a LEP sheet is enhanced to a maximum value by the voltage and current provided by the present invention, thereby improving a practicality thereof.

IPC 8 full level

**G09G 3/30** (2006.01); **H01L 33/00** (2010.01); **H05B 33/00** (2006.01)

CPC (source: EP KR)

**G09F 9/33** (2013.01 - KR); **G09G 3/20** (2013.01 - KR); **G09G 3/30** (2013.01 - KR); **G09G 3/32** (2013.01 - KR); **H05B 45/60** (2020.01 - EP); **Y02B 20/30** (2013.01 - EP)

Citation (search report)

- [X] US 6291942 B1 20010918 - ODAGIRI HIROSHI [JP], et al
- [X] US 5440208 A 19950808 - USKALI ROBERT G [US], et al
- [A] US 2005253530 A1 20051117 - FELDMAN HAROLD [US], et al
- [A] US 2003122748 A1 20030703 - HO KUAN-JUI [TW]
- [A] US 5483503 A 19960109 - KIMBALL ROBERT A [US]
- See references of WO 2007097496A1

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 2007097496 A1 20070830**; CN 101427295 A 20090506; CN 101427295 B 20110817; EP 1991977 A1 20081119; EP 1991977 A4 20100310; KR 200416914 Y1 20060523

DOCDB simple family (application)

**KR 2006001701 W 20060504**; CN 200680054308 A 20060504; EP 06757649 A 20060504; KR 20060004863 U 20060222