

Title (en)

Power-Source Device and LED Driving Device

Title (de)

Stromquellenvorrichtung und LED-Antriebsvorrichtung

Title (fr)

Dispositif d'alimentation en énergie et dispositif de commande de DEL

Publication

**EP 2587893 A1 20130501 (EN)**

Application

**EP 12187247 A 20121004**

Priority

JP 2011238742 A 20111031

Abstract (en)

[Summary] [Object] To provide a non-isolated power-source device and an LED driving device, which can reduce power supplied to a load circuit without complicating their configurations even when either of both ends of the load circuit causes a ground fault. [Means for Settlement] A non-isolated power-source device A1 that converts input power from a DC power-source E1, a negative electrode of which is grounded to a ground line G1 into desired DC power, and supplies the converted DC power to a load circuit Y1 includes a capacitor C1 electrically connected between one end of the load circuit Y1 and the negative electrode of the DC power-source E1, and a capacitor C2 electrically connected between the other end of load circuit Y1 and the positive electrode of the DC power-source E1.

IPC 8 full level

**H05B 37/02** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 45/3725** (2020.01 - EP US); **H05B 45/46** (2020.01 - EP)

Citation (search report)

- [X] EP 1761112 A2 20070307 - PATENT TREUHAND GES FUER ELEKTRISCHE GLUEHLAMPEN MBH [DE]
- [A] US 2008224629 A1 20080918 - MELANSON JOHN L [US]

Cited by

CN103415129A; WO2015136539A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2587893 A1 20130501**; JP 2013099072 A 20130520

DOCDB simple family (application)

**EP 12187247 A 20121004**; JP 2011238742 A 20111031