

Title (en)

Circuit assembly and method for testing a light emitting diode branch of a circuit assembly

Title (de)

Schaltungsanordnung und Verfahren zum Testen eines Leuchtdiodenzweigs einer Schaltungsanordnung

Title (fr)

Agencement de circuit et procédé de test d'une branche de diodes lumineuses d'un agencement de circuit

Publication

**EP 2645529 B1 20170215 (DE)**

Application

**EP 13161845 A 20130329**

Priority

AT 501112012 A 20120329

Abstract (en)

[origin: EP2645529A1] The method involves testing electrical magnitude of a circuit device using direct or indirect measurement, where LED branches (2) comprise LEDs (3) that are connected in series with a resistor (4). Constant electric current (I2) is injected as electrical signals in an operation and test mode, and voltage over the LED branches is measured. The LED branches are tested for efficiency of the LEDs under consideration in the operating and test state of measured voltages (U1, U2), where current intensity of another electric current (I1) is smaller than current level of the former electric current. An independent claim is also included for a circuit device.

IPC 8 full level

**H02J 9/06** (2006.01); **H05B 44/00** (2022.01)

CPC (source: AT EP US)

**H05B 45/50** (2020.01 - AT); **H05B 45/52** (2020.01 - EP US)

Cited by

RU2617148C1; WO2014122291A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2645529 A1 20131002; EP 2645529 B1 20170215; AT 512751 A1 20131015; AT 512751 B1 20150315**

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