

Title (en)

A DEVICE, A METHOD, AND A COMPUTER PROGRAM FOR TESTING OF PHOTOVOLTAIC DEVICES

Title (de)

VORRICHTUNG, VERFAHREN UND COMPUTERPROGRAMM ZUM TESTEN VON FOTOVOLTAISCHEN ANLAGEN

Title (fr)

DISPOSITIF, PROCÉDÉ ET PROGRAMME INFORMATIQUE POUR TESTER DES DISPOSITIFS PHOTOVOLTAÏQUES

Publication

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Application

EP 14811679 A 20140605

Priority

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Abstract (en)

[origin: WO2014200420A1] The present invention relates to a photocurrent testing device (100) for testing photovoltaic devices (120) such as solar cells. This device (100) includes a plurality of pulsating light sources (110) and a signal generator (130) which generates an individual driving frequency for each light source(110). This causes each light source (110) to pulsate at an individual frequency corresponding to its driving frequency. Also included in the photocurrent testing device (100) is an amplifier unit (140) which collects output current from the photovoltaic device (120) and amplifies the output current at each individual frequency. Further included in the photocurrent testing device (100) are analysing means (150) which analyse the amplitude of the output current at each individual frequency wherein the output current at each individual frequency originates from the light source pulsating at the same individual frequency, and where each light source (110) illuminates a specific spot(116) on the photovoltaic device. The amplitude of the output current at each individual frequency is matched with a corresponding specific spot(116) on the photovoltaic device.

IPC 8 full level

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