

Title (en)

Device for tracking a maximum power point of a power source

Title (de)

Vorrichtung zur Verfolgung eines Punktes maximaler Leistung einer Stromquelle

Title (fr)

Dispositif de suivi de point d'alimentation maximale d'une source d'alimentation

Publication

EP 2722725 A1 20140423 (EN)

Application

EP 12188687 A 20121016

Priority

EP 12188687 A 20121016

Abstract (en)

The present invention concerns a device for tracking the maximum power point of a power source. The device comprises: - means for estimating, at a first voltage provided by the power source, a derivative of the power provided by the power source with respect to a change of the voltage provided by the power source, - means for estimating the current provided by the power source when the power source provides the first voltage, - means for determining a voltage step value from the estimated derivative of the power provided by the power source and from the estimated current, - means for controlling the voltage of the power source in order to bring the voltage of the power source to a second voltage value which is equal to the first voltage value plus the determined voltage step.

IPC 8 full level

G05F 1/67 (2006.01)

CPC (source: EP)

G05F 1/67 (2013.01)

Citation (search report)

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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

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