Title (en)
METHOD AND DEVICE FOR MONITORING A PHOTOVOLTAIC SYSTEM

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ÜBERWACHUNG EINER PHOTOVOLTAIKANLAGE

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE D'UN SYSTÈME PHOTOVOLTAÏQUE

Publication
EP 2936178 A1 20151028 (DE)

Application
EP 13786161 A 20131011

Priority
• DE 102012024728 A 20121218
• EP 2013003068 W 20131011

Abstract (en)
[origin: WO2014094929A1] The invention relates to a device (16) and a method (30) for monitoring a photovoltaic system (2) having a number of parallel-connected strings (8) routed towards a common connecting lead (4, 6) for a reverse current (IR). In the method (30) it is provided for a current flow (ls) to be detected in a preferred direction (12) in each of the strings (8) and for a first total current flow (50) to be created therefrom, for a current flow (IA) to be detected in the preferred direction (12) in the connecting lead (4, 6) and for a second total current flow (54) to be created therefrom, and for the first total current flow (50) to be compared with the second total current flow (54), wherein a reverse current (IR) is recognised if the first total current flow (50) deviates (58) from the second total current flow (54) by more than a tolerance value (46).

IPC 8 full level
G01R 31/40 (2014.01); **H02H 3/18** (2006.01); **H02J 1/10** (2006.01)

CPC (source: CN EP US)
H02H 7/20 (2013.01 - CN EP US); **H02J 1/10** (2013.01 - CN EP US); **H02S 50/00** (2013.01 - CN EP US); **H02S 50/10** (2014.12 - EP US); H02H 3/18 (2013.01 - CN EP US); Y02E 10/56 (2013.01 - EP US)

Citation (search report)
See references of WO 2014094929A1

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)
WO 2014094929 A1 20140626; CN 104904114 A 20150909; CN 104904114 B 20170922; DE 102012024728 A1 20140703; EP 2936178 A1 20151028; US 2015288331 A1 20151008

DOCDB simple family (application)
EP 2013003068 W 20131011; CN 201380066674 A 20131011; DE 102012024728 A 20121218; EP 13786161 A 20131011; US 201514742754 A 20150618