

Title (en)
PHOTOVOLTAIC SYSTEM

Title (de)
PHOTOVOLTAIKANLAGE

Title (fr)
SYSTÈME PHOTOVOLTAÏQUE

Publication
EP 2689462 A2 20140129 (DE)

Application
EP 12735085 A 20120316

Priority
• DE 102011014468 A 20110319
• DE 102011014469 A 20110319
• DE 102011015392 A 20110329
• EP 2012001198 W 20120316

Abstract (en)
[origin: WO2012126601A2] In a photovoltaic system (1) having a number of phases (7) arranged in parallel on the generator side, the invention provides a first switching element (17) between a phase-end positive terminal (11) and earth (18), a second switching element (19) between a phase-end negative terminal (13) and earth (18), a measuring apparatus (23, 25) for detecting the voltage between the terminals (11, 13) and earth (18), and a control apparatus (21) for receiving the measured voltage values from the measuring device (23, 25) and for triggering control signals (S1, S2) for the simultaneous or staggered closing of the switching elements (17, 19), when the voltage across the first open switching element (17) exceeds a first prescribed limit value (G1), or when the voltage across the second switching element (19) drops below a second prescribed limit value (G2).

IPC 8 full level
H01L 31/00 (2006.01); **H01L 31/02** (2006.01); **H02H 3/20** (2006.01)

CPC (source: EP US)
H01L 31/02021 (2013.01 - EP); **H02H 9/041** (2013.01 - EP US); **H02J 3/16** (2013.01 - EP US); **H02J 3/381** (2013.01 - EP US); **H02J 3/466** (2020.01 - EP US); **H02J 3/50** (2013.01 - EP US); **H02J 2300/24** (2020.01 - EP US); **Y02E 10/56** (2013.01 - EP); **Y02E 40/30** (2013.01 - EP)

Citation (search report)
See references of WO 2012126601A2

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

DOCDB simple family (publication)
WO 2012126601 A2 20120927; **WO 2012126601 A3 20130523**; EP 2689462 A2 20140129; EP 2802014 A1 20141112

DOCDB simple family (application)
EP 2012001198 W 20120316; EP 12735085 A 20120316; EP 14002050 A 20120316