

Title (en)  
PHOTOVOLTAIC PANEL SAFETY DEVICE

Title (de)  
SICHERHEITSVORRICHTUNG FÜR PV-MODUL

Title (fr)  
DISPOSITIF DE SECURITE DE PANNEAU PHOTOVOLTAÏQUE

Publication  
**EP 2774182 A1 20140910 (FR)**

Application  
**EP 12780205 A 20121102**

Priority  
• FR 1159970 A 20111103  
• EP 2012071763 W 20121102

Abstract (en)  
[origin: WO2013064666A1] The invention relates to a safety device (20) between: a photovoltaic panel (4) comprising two electrical terminals (41, 42); and a circuit external to the photovoltaic panel (4) comprising two electrical outputs (31, 32), comprising: a first switch (201) arranged between the electrical terminals (41, 42) and possibly being controlled in order to adopt a first position in which the electrical terminals (41, 42) are connected together, thus short-circuiting the photovoltaic panel (4); a second switch (202) arranged between the electrical outputs (31, 32), which switch can be made to adopt a first position in which the electrical outputs (31, 32) are connected together, thus short-circuiting the external circuit (3); and means (203) for controlling the first and second switches (201, 202), comprising means (2031) for detecting an operating signal produced by the external circuit (3).

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**H01L 31/02021** (2013.01); **H02H 7/205** (2013.01); **Y02B 10/10** (2013.01); **Y02E 10/50** (2013.01)

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See references of WO 2013064666A1

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