Title (en)

PHOTOVOLTAIC MODULE WITH COOLING DEVICE

Title (de)

PHOTOVOLTAIK-MODUL MIT KÜHLVORRICHTUNG

Title (fr)

MODULE PHOTOVOLTAÏQUE DOTÉ D'UN DISPOSITIF REFROIDISSEUR

Publication

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Application

EP 13708145 A 20130307

Priority

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- EP 2013054578 W 20130307
- EP 13708145 A 20130307

Abstract (en)

[origin: WO2013143821A1] The present invention relates to a photovoltaic module (100) with cooling device, at least comprising: a laminated composite (101) composed of rear sheet (2), photovoltaic layer system (3) and front sheet (1) arranged one above another, and a structural plate (5) arranged on the rear side (IV) of the rear sheet (2), wherein at least one channel (6) running between a coolant inlet (19) and a coolant outlet (20) is introduced into the structrual plate (5), at least two contact areas (7, 7') are formed on the surface of the structural plate (5), said contact areas being separated from one another by the channel (6) and the structural plate (5) being connected to the rear side (IV) via said contact areas, and the channel (6) is at least partly filled with a liquid coolant.

IPC 8 full level

H01L 31/052 (2014.01)

CPC (source: EP US)

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