

Title (en)  
REFLECTIVE DEVICE FOR A PHOTOVOLTAIC MODULE WITH BIFACIAL CELLS

Title (de)  
REFLEKTIERENDE VORRICHTUNG FÜR EIN PV-MODUL MIT DOPPELSEITIGEN ZELLEN

Title (fr)  
DISPOSITIF REFLECTEUR POUR MODULE PHOTOVOLTAIQUE A CELLULES BIFACIALES

Publication  
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Application  
**EP 10801648 A 20101210**

Priority

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Abstract (en)  
[origin: WO2011080442A2] The invention relates to a reflective device for a photovoltaic module formed by a plurality of bifacial photovoltaic cells (2) or rows of said cells spaced apart from one another, each cell (2) having an active front face (20) and an active rear face (21) that can capture photons from incident light rays falling on the front (20) and rear (21) faces. The device comprises at least one reflective module (4) to be placed under the cells (2) substantially in line with the gap(s) (22) separating two adjacent cells (2) or two rows of adjacent cells. The reflective module (4) comprises: a first portion (41), of which the surfaces that are oriented towards the gap (22) have a first curvature such as to send all or part of the incident photons towards the rear face (21) of the cells (2); and a second portion (42) mounted on the first portion (41), of which the surfaces oriented towards the gap (22) have a second curvature such as to send all or part of the incident photons towards the rear face (21) of the cells (2), the second curvature being different from the first curvature.

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