

Title (en)  
CONNECTION UNIT FOR PHOTOVOLTAIC SOLAR MODULES

Title (de)  
ANSCHLUSSEINHEIT FÜR PHOTOVOLTAISCHE SOLARMODULE

Title (fr)  
UNITE DE CONNEXION POUR MODULES SOLAIRES PHOTOVOLTAIQUES

Publication  
**EP 1836734 A1 20070926 (DE)**

Application  
**EP 05821943 A 20051108**

Priority

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- DE 102004053942 A 20041109

Abstract (en)  
[origin: WO2006050890A1] The invention relates to a connection unit for photovoltaic solar modules with bare connection sections of the strip conductor. The aim of the invention is to create a connection unit that can be rapidly connected to the photovoltaic solar module and enables individual parts to be easily exchanged. According to the invention, the solar module (2) is provided with bare connection sections of the strip conductors (9). The connection unit (1) is comprised of a base body (3) and of at least one slide-in housing part (6), with interior electrical contact elements and components. The connection unit (1) is directly placed in a tight manner on the surface of a solar module (2). The base body (3) comprises a recess (4) inside of which interior electrical contact elements (5) are formed, arranged and positioned in such a manner that they can be contacted, via plug-type connections, by a slide-in housing part (6) and the individual parts thereof and/or by the conductors of the connection cable (11). These contact elements (5) are connected to a switching and control unit (7) inside the slide-in housing part (6). The contacting (8) of the electrical contact elements (5) is situated in a plane with the contact area on the strip conductor (9) of the solar module (2). The connection unit (1) serves to deliver power from the photovoltaic solar module (2) to consumers and to protect and prolong the serviceable life of the electrical connections and interior electronic components.

IPC 8 full level  
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