

Title (en)

Electrical connection box for photovoltaic or solar plates

Title (de)

Elektrische Verbindungsbox für photovoltaische oder Solarplatten

Title (fr)

Boîte de connexion électrique pour plaque photovoltaïque ou solaire

Publication

EP 1605554 A2 20051214 (EN)

Application

EP 04026833 A 20041111

Priority

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- EP 04026833 A 20041111

Abstract (en)

Electrical connection box for photovoltaic or solar panels, whose function is to serve as a connection between the panels of a plant and between the latter and the external receivers. The box is designed to lodge within it a printed circuit, with the copper microns necessary in each case and with the following configurations: tinned zones for receiving soldering with panel output billets, these billets pass through a slot located on the bottom of the basis of the box. Lodgings for soldering the panel protection diodes, these diodes will depend on the type of panel, potency, tension, etc. Terminals for screwing the output conductors. Leak proofing presses for the output of the electrical conductors with the basis of the box. The serigraphy of the positive and negative signs of each terminal will be carried out in order to avoid error when the components are installed in the box.

IPC 1-7

H01R 13/52; **H05K 5/00**; **H05K 5/02**

IPC 8 full level

H01R 13/52 (2006.01); **H05K 5/00** (2006.01); **H05K 5/02** (2006.01)

CPC (source: EP)

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Cited by

CN102142646A; CN101944866A; EP2645504A3; EP2645504A2; WO2016188080A1; DE102010003466A1; WO2011124403A2; DE202007019048U1; US7811098B2; US7880098B2

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