

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 A3 20060222 (EN)**

Application

**EP 04026833 A 20041111**

Priority

- EP 04013514 A 20040608
- EP 04026833 A 20041111

Abstract (en)

[origin: EP1605554A2] 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 8 full level

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

CPC (source: EP)

**H01R 13/5213** (2013.01)

Citation (search report)

- [Y] DE 3712294 A1 19881027 - PHILIPS PATENTVERWALTUNG [DE]
- [Y] US 4632269 A 19861230 - ROSE FRIEDHELM [US]
- [A] GB 2366096 A 20020227 - TIMEGUARD LTD [GB]

Cited by

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Designated contracting state (EPC)

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