

Title (en)

BUILT-IN PREFABRICATED PHOTOVOLTAIC COVER

Title (de)

EINGEBAUTE, VORGEFERTIGTE PHOTOVOLTAISCHE ABDECKUNG

Title (fr)

COUVERTURE PHOTOVOLTAÏQUE PREFABRIQUEE INTEGRABLE

Publication

EP 2486601 A2 20120815 (FR)

Application

EP 10781925 A 20101006

Priority

- FR 0904799 A 20091007
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Abstract (en)

[origin: WO2011042625A2] The invention relates to a photovoltaic cover to be built into a business or residential building or into various shelters, said photovoltaic cover including: photovoltaic modules (1); a structure (2) supporting said modules, to be attached to the sides of a roof structure, cables, and connecting sets. The cover according to the invention is essentially characterized in that it is created by means of the sideways juxtaposition of factory-prefabricated, factory-wired subassemblies that are each designed from a metal structure (2) consisting of longitudinal profile sections (21) suitable for maintaining a number of photovoltaic modules (1) that make it possible to cover the length of the roofing side to be fitted, said roofing side covering a width including a precisely predetermined number of said modules. Metal sheets (215) define, with the bottom of the photovoltaic modules (1), an air gap (216) for cooling said modules, and a heat-insulating material (218) takes up the space between said metal sheets (215) and flat profile sections (219) that are also rigidly connected to said longitudinal profile sections (21, 23).

IPC 8 full level

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Y02P 80/20 (2015.11)

Citation (search report)

See references of WO 2011042625A2

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DOCDB simple family (publication)

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