

Title (en)

STRUCTURES FOR LOW COST, RELIABLE SOLAR MODULES

Title (de)

STRUKTUREN FÜR GÜNSTIGE, ZUVERLÄSSIGE SOLARMODULE

Title (fr)

STRUCTURES DE MODULES SOLAIRES FIABLES ET PEU COUTEUX

Publication

EP 2106619 A2 20091007 (EN)

Application

EP 07874389 A 20071222

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Abstract (en)

[origin: WO2008136872A2] Methods and devices are provided for improved large-scale solar installations. In one embodiment, a photovoltaic module is provided comprising a module front layer comprising a glass plate, a module back layer comprising an electrically conductive foil, and a plurality of solar cells arranged to be protected by the front layer and the back layer. In some embodiments, the module back layer is aluminum foil. The module back layer may have an externally exposed surface. The module back layer may be electrically grounded. An electrically insulating pottant material may be used with the solar cells to separate them from the module back layer. This allows for a high voltage withstand between the cells and the outer surface of the back layer.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2008136872A2

Cited by

CN102368052A; CN114975660A

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