

Title (en)
GLASSLESS SOLAR POWER MODULE COMPRISING AT LEAST ONE FLEXIBLE THIN-FILM SOLAR CELL AND METHOD FOR PRODUCING THE SAME

Title (de)
GLASLOSES SOLARSTROM-MODUL MIT WENIGSTENS EINER FLEXIBLEN DÜNNSCHICHT-SOLARZELLE UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
MODULE D'ÉLECTRICITÉ SOLAIRE DÉPOURVU DE VERRE, PRÉSENTANT AU MOINS UNE CELLULE SOLAIRE À COUCHE MINCE SOUPLE, ET SON PROCÉDÉ DE FABRICATION

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Application
EP 07727566 A 20070330

Priority
• EP 2007053094 W 20070330
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Abstract (en)
[origin: DE102006016280A1] The module has a layer structure with a solar cell (6) in the starting, an inorganic barrier layer (2), an inorganic-organic hybrid polymer barrier layer (3), a transparent adhesive layer (4a) and a transparent cover film (1b) in a front side of the module and an adhesive layer (4b) and a standard backing film (7b) in a rear side of the module. The layer (2) consists of aluminum oxide, and the layer (4a) is a hot metal adhesive film. A polymer paint film (5) is arranged between the solar cell and the layer (2), and the transparent cover film consists of a poly-carbonate. An independent claim is also included for a method for manufacturing a glassless thin-film solar module.

IPC 8 full level
H01L 31/048 (2006.01)

CPC (source: EP US)
H01L 31/048 (2013.01 - EP US); **H01L 31/0481** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP US)

Citation (search report)
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Cited by
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