

Title (en)
PHOTOVOLTAIC SOLAR ENERGY MODULE

Title (de)
PHOTOVOLTAISCHES SOLARENERGIEMODUL

Title (fr)
MODULE D'ENERGIE SOLAIRE PHOTOVOLTAIQUE

Publication
EP 1810347 A1 20070725 (DE)

Application
EP 05806600 A 20051102

Priority
• EP 2005011700 W 20051102
• DE 102004053802 A 20041108

Abstract (en)
[origin: WO2006048245A1] The invention relates to a photovoltaic solar energy module, comprising an absorption surface (1) for the absorption of solar radiant energy. According to the invention, a phase change material (2) is provided in contact with the absorption surface (1) which has a phase change temperature lying in the region of a temperature of high efficiency for the photovoltaic module (10).

IPC 8 full level
F24J 2/34 (2006.01); **H01L 23/427** (2006.01); **H01L 31/052** (2006.01)

CPC (source: EP US)
F24S 60/10 (2018.04 - EP US); **F28D 20/02** (2013.01 - EP US); **H01L 31/0521** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP); **Y02E 60/14** (2013.01 - EP); **Y02E 70/30** (2013.01 - EP)

Citation (search report)
See references of WO 2006048245A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102004053802 A1 20060511; EP 1810347 A1 20070725; WO 2006048245 A1 20060511

DOCDB simple family (application)
DE 102004053802 A 20041108; EP 05806600 A 20051102; EP 2005011700 W 20051102