

Title (en)
TEMPERATURE-CONTROL BODIES FOR PHOTOVOLTAIC MODULES

Title (de)
TEMPERIERKÖRPER FÜR PHOTOVOLTAIK-MODULE

Title (fr)
ÉLÉMENT DE THERMORÉGULATION POUR MODULES PHOTOVOLTAÏQUES

Publication
EP 2218112 A1 20100818 (DE)

Application
EP 08848550 A 20081106

Priority
• EP 2008065070 W 20081106
• DE 102007053225 A 20071106

Abstract (en)
[origin: WO2009060034A1] The invention relates to temperature-control bodies for photovoltaic modules, in which bodies heat transfer tubes (3) are embedded in a layer (4) of compressed expanded graphite and are connected to the surface of a photoelectric cell layer (1) that faces away from the solar radiation. The invention also relates to a layered composite semi-finished product comprising a layer (4) of compressed expanded graphite with a density of between 0.02 g/cm³ and 0.5 g/cm³.

IPC 8 full level
H01L 31/052 (2006.01)

CPC (source: EP US)
H01L 31/0521 (2013.01 - EP US); **H02S 40/44** (2014.12 - EP US); **Y02E 10/50** (2013.01 - EP US); **Y02E 10/60** (2013.01 - EP US)

Citation (search report)
See references of WO 2009060034A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
DE 102007053225 A1 20090507; CN 101849294 A 20100929; EP 2218112 A1 20100818; JP 2011503863 A 20110127; KR 20100096130 A 20100901; US 2010294362 A1 20101125; WO 2009060034 A1 20090514

DOCDB simple family (application)
DE 102007053225 A 20071106; CN 200880114979 A 20081106; EP 08848550 A 20081106; EP 2008065070 W 20081106; JP 2010532590 A 20081106; KR 20107012279 A 20081106; US 74160108 A 20081106