

Title (en)  
PHOTOVOLTAIC CELL

Title (de)  
PHOTOVOLTAISCHE ZELLE

Title (fr)  
CELLULE PHOTOVOLTAÏQUE

Publication  
**EP 2018644 A2 20090128 (DE)**

Application  
**EP 07725175 A 20070514**

Priority  
• EP 2007004256 W 20070514  
• DE 102006023638 A 20060518

Abstract (en)  
[origin: WO2007134742A2] The invention relates to a photovoltaic cell, particularly a color-sensitized solar cell, comprising a conductive support substrate (10) coated with a metal oxide semiconductor layer (16), a color layer (18) embodied so as to electronically interact with the metal oxide semiconductor layer, an electrolyte layer (32) that is applied to the color layer, and a counter-electrode (20) which is connected to the electrolyte layer. The support substrate and/or the counter-electrode is/are made from a flexible fabric composed of a plurality of interwoven fibers.

IPC 8 full level  
**H01G 9/20** (2006.01)

CPC (source: EP US)  
**H01G 9/2068** (2013.01 - EP US); **H01G 9/2095** (2013.01 - EP US); **H01G 9/2031** (2013.01 - EP US); **H10K 85/344** (2023.02 - EP US); **Y02E 10/542** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)  
See references of WO 2007134742A2

Citation (examination)  
US 2003230337 A1 20031218 - GAUDIANA RUSSELL A [US], et al

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**DE 102006023638 A1 20071122**; EP 2018644 A2 20090128; JP 2009537938 A 20091029; JP 5244094 B2 20130724; US 2009293950 A1 20091203; WO 2007134742 A2 20071129; WO 2007134742 A3 20080214

DOCDB simple family (application)  
**DE 102006023638 A 20060518**; EP 07725175 A 20070514; EP 2007004256 W 20070514; JP 2009510337 A 20070514; US 30083507 A 20070514