

Title (en)

PARTIALLY TRANSPARENT FLEXIBLE THIN FILM SOLAR CELLS AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

TEILTRANSPARENTE FLEXIBLE DÜNNSCHICHTSOLARZELLEN UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

CELLULES PHOTOVOLTAÏQUES EN COUCHE MINCE SOUPLES PARTIELLEMENT TRANSPARENTES ET LEUR PROCÉDÉ DE PRODUCTION

Publication

EP 2433302 A2 20120328 (DE)

Application

EP 10734025 A 20100524

Priority

- EP 2010003159 W 20100524
- DE 102009022378 A 20090523

Abstract (en)

[origin: WO2010136166A2] The aim of the invention is to provide transparent and partially transparent flexible thin film solar cells. The aim is achieved in that flexible thin film solar cells are processed using a tool, such that the entire cell structure is pierced, the transparency is ensured by the openings thus created, and the energy conversion yield remains high. An example is a flexible thin film solar cell according to the figure.

IPC 8 full level

H01L 27/142 (2006.01)

CPC (source: EP US)

H01L 31/03928 (2013.01 - EP US); **H01L 31/0468** (2014.12 - EP US); **Y02E 10/541** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

Citation (search report)

See references of WO 2010136166A2

Citation (examination)

US 6316283 B1 20011113 - SAURER ERIC [CH]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

WO 2010136166 A2 20101202; WO 2010136166 A3 20111020; CN 102439732 A 20120502; DE 102009022378 A1 20110127; DE 102009022378 B4 20130207; EP 2433302 A2 20120328; US 2012125411 A1 20120524

DOCDB simple family (application)

EP 2010003159 W 20100524; CN 201080022492 A 20100524; DE 102009022378 A 20090523; EP 10734025 A 20100524; US 201013321890 A 20100524