Title (en)
INSULATING GLASS COMPOSITE COMPRISING DIAGONALLY ARRANGED PHOTOVOLTAIC CELLS, AND METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)
ISOLIERGLASVERBUND MIT SCHRÄG ANGEORDNETEN PHOTOVOLTAIK ZELLEN UND VERFAHREN ZUR HERSTELLUNG UND ANWENDUNG

Title (fr)
STRUCTURE EN VERRE ISOLANT CONTENANT DES CELLULES PHOTOVOLTAÏQUES DISPOSÉES EN OBLIQUE AINSI QUE SON PROCÉDÉ DE FABRICATION ET SON UTILISATION

Publication
EP 2433310 A1 20120328 (DE)

Application
EP 10716480 A 20100417

Priority
• EP 2010002375 W 20100417
• DE 102009022125 A 20090520

Abstract (en)
[origin: WO2010133279A1] A solar module consists of a plurality of solar cells which are arranged in an insulating glass composite in the gap between a front and rear pane, said cells being fixed therein, wherein the solar cells are arranged diagonally to the vertical axis inside an approximately vertical (upright) insulating glass module which is fixed in or on an approximately vertical building facade.

IPC 8 full level
H01L 31/08 (2006.01); B32B 17/10 (2006.01); E04B 2/88 (2006.01); E06B 3/66 (2006.01); E06B 9/264 (2006.01)

CPC (source: EP US)
E06B 9/264 (2013.01 - EP US); H01L 31/0488 (2013.01 - EP US); H02S 20/22 (2014.12 - EP US); H02S 20/26 (2014.12 - EP US); H02S 20/30 (2014.12 - EP US); E06B 3/6733 (2013.01 - EP US); E06B 3/67343 (2013.01 - EP US); E06B 3/6775 (2013.01 - EP US); E06B 2009/2476 (2013.01 - EP US); Y02B 10/10 (2013.01 - EP US); Y02E 10/50 (2013.01 - EP US)

Citation (search report)
See references of WO 2010133279A1

Citation (examination)
• US 4137098 A 19790130 - FIELD RICHARD L
• ES 2105947 A1 19971016 - TEULADES I FACANES MULTIFUNCIO [ES]
• DE 202007017775 U1 20090205 - ANKER JOHANNES [AT], et al
• US 2007175599 A1 20070802 - FROESE BRAD [US]
• CN 101302781 A 20081112 - BAOAN XU [CN]

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010133279 A1 20101125; CN 102484165 A 20120530; DE 102009022125 A1 20110210; EP 2433310 A1 20120328; JP 2012527749 A 20121108; JP 5450801 B2 20140326; US 2012118359 A1 20120517

DOCDB simple family (application)
EP 2010002375 W 20100417; CN 201080028017 A 20100417; DE 102009022125 A 20090520; EP 10716480 A 20100417; JP 2012511160 A 20100417; US 201013321206 A 20100417