

Title (en)
SOLAR PANEL WINDOW

Title (de)
SOLARPANELFENSTER

Title (fr)
FENÊTRE À PANNEAU SOLAIRE

Publication
EP 2286051 A1 20110223 (EN)

Application
EP 09727138 A 20090402

Priority
• CA 2009000427 W 20090402
• US 4175608 P 20080402
• US 14532109 P 20090116

Abstract (en)
[origin: CN102027183A] A solar panel window for mounting to a building. The window has an interior pane and an exterior pane adjacent to each other. The exterior pane has a first ridged surface and the interior pane has a second ridged surface, which is complementary to the first ridged surface. The exterior and interior panes are secured together with their ridged surfaces facing each other. A plurality of photovoltaic solar cells are mounted on the first ridged surface of the exterior pane. The solar panel window allows light impinging thereon through a pre-determined viewing angle to be transmitted inside the building. Light impinging on the window outside the pre-determined viewing angled is directed to the plurality of solar cells.

IPC 8 full level
H01L 31/052 (2006.01); **E04D 13/18** (2006.01); **E06B 3/67** (2006.01); **E06B 7/00** (2006.01); **F24S 23/77** (2018.01)

CPC (source: EP US)
E06B 3/6715 (2013.01 - EP US); **H01L 31/0543** (2014.12 - EP); **H01L 31/0547** (2014.12 - EP); **E06B 2009/2417** (2013.01 - EP); **E06B 2009/2476** (2013.01 - EP); **F24S 80/50** (2018.04 - EP US); **F24S 2070/62** (2018.04 - EP US); **Y02B 10/10** (2013.01 - EP); **Y02E 10/52** (2013.01 - EP)

Cited by
RU2617410C2; WO2013093796A1; WO2013098283A3; WO2023012806A1

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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