

Title (en)
ROOF STRUCTURE FOR A SOLAR SYSTEM

Title (de)
DACHAUFBAU FÜR EIN SOLARSYSTEM

Title (fr)
STRUCTURE DE TOIT POUR UN SYSTÈME SOLAIRE

Publication
EP 2174068 A1 20100414 (DE)

Application
EP 07720211 A 20070625

Priority
CH 2007000314 W 20070625

Abstract (en)
[origin: WO2009000091A1] A roof structure (10) for the photovoltaic generation of electric current and/or for heating a flowing medium, in particular an air stream (14, 20), comprises flat, transparent or glass roof panels (24) which are at least partly equipped with flat solar cells (60). These glass roof panels are laid at a distance (a) from a roof substructure (12) so as to form an air-tight flat gap (18) which is largely free of obstructions in the flow direction, and are preferably square or rectangular.

IPC 8 full level
F24J 2/04 (2006.01); **F24F 5/00** (2006.01); **F24J 2/44** (2006.01); **F24J 2/50** (2006.01); **F24J 2/52** (2006.01); **H01L 31/048** (2006.01); **H01L 31/058** (2006.01)

CPC (source: EP US)
E04D 13/17 (2013.01 - EP US); **F24F 5/0046** (2013.01 - EP US); **F24S 20/67** (2018.04 - EP US); **F24S 25/00** (2018.04 - EP US); **F24S 80/58** (2018.04 - EP US); **F24S 90/10** (2018.04 - EP US); **H01L 31/048** (2013.01 - EP US); **H02S 20/23** (2014.12 - EP US); **H02S 40/44** (2014.12 - EP US); **F24S 2020/13** (2018.04 - EP US); **F24S 2020/17** (2018.04 - EP US); **Y02A 30/272** (2017.12 - EP US); **Y02B 10/10** (2013.01 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02B 10/70** (2013.01 - EP US); **Y02E 10/44** (2013.01 - US); **Y02E 10/47** (2013.01 - EP US); **Y02E 10/50** (2013.01 - EP US); **Y02E 10/60** (2013.01 - EP US)

Citation (search report)
See references of WO 2009000091A1

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)
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DOCDB simple family (application)
CH 2007000314 W 20070625; CA 2691856 A 20070625; CN 200780100287 A 20070625; EP 07720211 A 20070625; US 66668407 A 20070625