

Title (en)
PHOTOVOLTAIC INSTALLATION ADAPTED TO ALTITUDE

Title (de)
HÖHENADAPTIERTE FOTOVOLTAIKANLAGE

Title (fr)
INSTALLATION PHOTOVOLTAÏQUE ADAPTÉE À L'ALTITUDE

Publication
EP 2815188 A1 20141224 (FR)

Application
EP 13707572 A 20130214

Priority
• FR 1251365 A 20120214
• EP 2013052920 W 20130214

Abstract (en)
[origin: WO2013120923A1] The present invention concerns a photovoltaic installation characterised by the fact that it comprises a plurality of photovoltaic panels arranged dihedrally, each dihedron (4) being intended to be positioned on a roof of a building in such a way that the dihedral angle is intended to form a projection angle disposed opposite said roof (7) and forms, with the roof (7), an air duct configured to receive and allow the circulation of air from the building, or indeed other air, whereof the temperature will be: in winter higher than the melting temperature of snow or frost and ice; in summer lower than that of the air outside the dihedron. The invention can be applied to high altitude regions where the sunshine and radiation levels are greater and where the efficiency of photovoltaic panels is greater, eliminating the drawbacks and uncertainties of snow cover, which acts as an obstacle thereto.

IPC 8 full level
F24J 2/04 (2006.01); **F24J 2/46** (2006.01); **F24J 2/52** (2006.01); **H01L 31/042** (2014.01); **H01L 31/048** (2014.01)

CPC (source: EP)
F24S 20/67 (2018.04); **F24S 25/16** (2018.04); **F24S 40/20** (2018.04); **F24S 40/55** (2018.04); **F24S 40/70** (2018.04); **H02S 20/00** (2013.01); **H02S 20/23** (2014.12); **Y02B 10/10** (2013.01); **Y02B 10/20** (2013.01); **Y02E 10/47** (2013.01); **Y02E 10/50** (2013.01)

Citation (search report)
See references of WO 2013120923A1

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 2986862 A1 20130816; FR 2986862 B1 20140905; EP 2815188 A1 20141224; WO 2013120923 A1 20130822

DOCDB simple family (application)
FR 1251365 A 20120214; EP 13707572 A 20130214; EP 2013052920 W 20130214