

Title (en)

SOLAR ASSEMBLY FOR GENERATING SOLAR POWER

Title (de)

SOLARANLAGE ZUM ERZEUGEN VON SOLARSTROM

Title (fr)

ENSEMBLE SOLAIRE POUR LA PRODUCTION D'ÉNERGIE SOLAIRE

Publication

EP 4055707 A1 20220914 (DE)

Application

EP 20803490 A 20201105

Priority

- DE 102019129733 A 20191105
- EP 2020081088 W 20201105

Abstract (en)

[origin: WO2021089679A1] The invention relates to a solar assembly for generating solar power, comprising at least three solar modules (8) which have a mounting frame (4) and solar cells (6), at least two base elements (12), connection elements (14) for interconnecting the mounting frames (4), and support elements (16) for connecting the mounting frames (4) to one of the base elements (12), wherein each of the mounting frames (4) has two first lateral edges (18) running parallel to the base elements (12) and at least two additional second lateral edges (20), each of the connection elements (14) connects two respective first lateral edges (18) of at least two pairs of mounting frames (4) together at a specified angle of less than 180°, and at least three mounting frames (14) are connected together along the first lateral edges (18) and form a curved solar module section (22). The invention solves the technical problem of providing a solar assembly for generating solar power with an improved use of the surface area of the underlying surface.

IPC 8 full level

H02S 30/00 (2014.01); **H02S 20/10** (2014.01)

CPC (source: EP)

H02S 20/10 (2014.12); **H02S 30/00** (2013.01); **F24S 20/00** (2018.04); **Y02E 10/50** (2013.01)

Citation (search report)

See references of WO 2021089679A1

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)

DE 102019129733 A1 20210506; EP 4055707 A1 20220914; WO 2021089679 A1 20210514

DOCDB simple family (application)

DE 102019129733 A 20191105; EP 2020081088 W 20201105; EP 20803490 A 20201105