

Title (en)
PHOTOVOLTAIC MODULE WITH A CROSS RAIL ASSEMBLY

Title (de)
FOTOVOLTAISCHES MODUL MIT EINER KREUZSCHIENENANORDNUNG

Title (fr)
MODULE PHOTOVOLTAÏQUE DOTÉ D'UN ENSEMBLE RAIL TRANSVERSAL

Publication
EP 3776845 A4 20210331 (EN)

Application
EP 19778402 A 20190329

Priority

- US 201862651035 P 20180330
- US 201862660835 P 20180420
- US 2019025039 W 20190329

Abstract (en)
[origin: CN112236870A] One embodiment is a photovoltaic (PV) module including a frame to receive a perimeter of a backside of a photovoltaic (PV) laminate. The cross rail assembly may include: a conductive frame to receive a perimeter of a backside of a photovoltaic (PV) laminate; one or more conductive cross rail members provide structural rigidity to the conductive frame; and one or more pairs of couplers coupled to the conductive frame, wherein: at least one coupler comprises a grounding coupler having a first keyed section to insert into an opening in the conductive frame and a second keyed section to mate with an end of a conductive cross rail member of the one or more conductive cross rail members to ground the conductive cross rail member to the frame; or at least one coupler of at least one of the one or more pairs includes a length to define a cabling channel.

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H02S 30/10 (2014.01)

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Citation (search report)

- [X] US 2013019857 A1 20130124 - LI SZU-HAN [TW], et al
- [A] EP 0188096 A2 19860723 - STANDARD OIL CO OHIO [US]
- [A] JP H09148612 A 19970606 - SHARP KK
- See references of WO 2019191710A1

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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

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