

Title (en)

UTILITY POLE MOUNTED SOLAR PANELS AND SECURING BRACKETS

Title (de)

LEITUNGSMASTMONTIERTE SOLARPANEELE UND SICHERUNGSKLAMMERN

Title (fr)

PANNEAUX SOLAIRES MONTÉS SUR UN POTEAU DES SERVICES PUBLICS ET SUPPORTS DE FIXATION

Publication

**EP 3175548 A1 20170607 (EN)**

Application

**EP 15826605 A 20150728**

Priority

- US 201414446003 A 20140729
- US 201462084550 P 20141125
- US 201562167842 P 20150528
- US 2015042544 W 20150728

Abstract (en)

[origin: WO2016018952A1] An electrical transmission system has solar electrical generation stations mounted directly to existing utility poles along a transmission line. Solar panels and securing brackets define each solar electric generation station. Each station has at least one generally East facing panel, at least one generally South facing panel, and at least one generally West facing panel. A power coupling conducts electricity generated by the solar electric generation station into the transmission lines. In one embodiment, a plurality of spacer members support the separate and distinct solar collector surfaces in a fixed position relative to the utility pole and have a plurality of clamp passages. A plurality of clamps pass through the clamp passages to guide and retain the clamps. In another embodiment, a plurality of adjustable brackets affix with the spacer members adjacent a first end and to the utility pole adjacent a second end distal to the first end.

IPC 8 full level

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

CPC (source: EP)

**F24S 25/10** (2018.04); **F24S 25/636** (2018.04); **H02S 20/10** (2014.12); **H02S 20/20** (2014.12); **F24S 2020/18** (2018.04); **Y02E 10/47** (2013.01)

Cited by

GB2599338A

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)

**WO 2016018952 A1 20160204**; CA 2955629 A1 20160204; CA 2955629 C 20230328; CA 3187703 A1 20160204; EP 3175548 A1 20170607; EP 3175548 A4 20180328

DOCDB simple family (application)

**US 2015042544 W 20150728**; CA 2955629 A 20150728; CA 3187703 A 20150728; EP 15826605 A 20150728