

Title (en)

A BRACKET USABLE FOR SOLAR PANEL MODULE INSTALLATION

Title (de)

HALTERUNG ZUR INSTALLATION EINES SOLARMODULS

Title (fr)

SUPPORT UTILISABLE POUR UNE INSTALLATION DE MODULE DE PANNEAU SOLAIRE

Publication

EP 4272310 A1 20231108 (EN)

Application

EP 21927031 A 20211231

Priority

- US 202063133014 P 20201231
- US 202117206468 A 20210319
- US 2021065830 W 20211231
- US 201962922468 P 20190812
- US 202063044939 P 20200626

Abstract (en)

[origin: US2021206003A1] An autonomous solar module installation platform can be used for solar module installation onto a solar tracker. The autonomous solar module installation platform can include an off-road capable base vehicle and a robotic arm, mounted on the off-road capable base vehicle, for the solar module installation onto the solar tracker. The off-road capable base vehicle and the robotic arm can communicate with each other and cooperate their movements to proceed to the solar tracker and align with the solar tracker in order for the robotic arm to pick up and lift the solar module during an installation of the solar module onto the solar tracker.

IPC 8 full level

H02S 20/32 (2014.01); **H02S 20/00** (2014.01); **H02S 20/30** (2014.01)

CPC (source: EP US)

B25J 5/005 (2013.01 - EP US); **B25J 9/162** (2013.01 - US); **B25J 9/1664** (2013.01 - US); **B25J 9/1679** (2013.01 - US); **B25J 9/1697** (2013.01 - US); **B25J 13/006** (2013.01 - US); **B25J 13/087** (2013.01 - US); **B25J 15/0616** (2013.01 - US); **B25J 19/0054** (2013.01 - US); **G05D 1/0088** (2024.01 - US); **G05D 1/0231** (2024.01 - US); **G05D 1/0246** (2024.01 - EP); **G05D 1/0278** (2024.01 - EP); **H01L 31/18** (2013.01 - EP); **H02S 20/32** (2014.12 - EP); **F24S 80/00** (2018.05 - EP)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2021065830 W 20211231; AU 2021428570 A 20211231; CN 202180094781 A 20211231; EP 21927031 A 20211231