

Title (en)

SUNSHADES WITH SOLAR POWER SUPPLIES FOR CHARGING ELECTRONIC DEVICES

Title (de)

SONNENSCHIRME MIT SONNENENERGIEVERSORGUNG ZUM LADEN ELEKTRONISCHER VORRICHTUNGEN

Title (fr)

PARASOLS À ALIMENTATION EN ÉNERGIE SOLAIRE POUR RECHARGER DES DISPOSITIFS ÉLECTRONIQUES

Publication

**EP 2878014 A4 20160224 (EN)**

Application

**EP 13822260 A 20130729**

Priority

- US 201261676454 P 20120727
- US 2013052598 W 20130729

Abstract (en)

[origin: WO2014018990A1] A device for providing electrical power from light for charging a portable electronic device includes a frame structure, a shade attached to the frame structure, and a solar panel attached to the frame structure and positioned above the shade. The device includes a rechargeable battery configured to be recharged by the solar panel, and a charging terminal configured to connect to the portable electronic device and supply charge from the rechargeable battery to the portable electronic device.

IPC 8 full level

**H01L 31/042** (2006.01); **F24J 2/52** (2006.01); **H02S 30/20** (2014.01)

CPC (source: EP US)

**H02S 30/20** (2014.12 - EP); **H02S 40/38** (2014.12 - EP US); **F24S 20/50** (2018.04 - EP US); **F24S 20/55** (2018.04 - EP US); **F24S 20/67** (2018.04 - EP); **F24S 90/00** (2018.04 - EP); **Y02B 10/20** (2013.01 - EP); **Y02E 10/50** (2013.01 - EP); **Y02E 70/30** (2013.01 - EP)

Citation (search report)

- [X] KR 101112638 B1 20120215
- [X] US 2007127231 A1 20070607 - LI WANDA Y [US]
- [XA] US 6612713 B1 20030902 - KUELBS GREGORY G [US]
- See references of WO 2014018990A1

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

DOCDB simple family (publication)

**WO 2014018990 A1 20140130**; EP 2878014 A1 20150603; EP 2878014 A4 20160224; HK 1210870 A1 20160506

DOCDB simple family (application)

**US 2013052598 W 20130729**; EP 13822260 A 20130729; HK 15111450 A 20151119