

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)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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