

Title (en)

DEVICE FOR LIGHTING OR BACKLIGHTING AN IMAGE PLACED IN FRONT OF OR BEHIND A SOLAR PANEL

Title (de)

VORRICHTUNG ZUR BELEUCHTUNG ODER RÜCKBELEUCHTUNG EINES BILDES VOR ODER HINTER EINEM SONNENKOLLEKTOR

Title (fr)

DISPOSITIF POUR ÉCLAIRER OU RÉTRO-ÉCLAIRER UNE IMAGE PLACÉE DEVANT OU DERRIÈRE UN PANNEAU SOLAIRE

Publication

EP 2984682 A1 20160217 (FR)

Application

EP 14725210 A 20140410

Priority

- FR 1300847 A 20130411
- FR 2014000080 W 20140410

Abstract (en)

[origin: WO2014167194A1] The invention relates to a device including a solar panel (1), a transparent plate (2) serving as a light guide, an image (3) consisting of multiple opaque or semitransparent image areas (8) separated by totally transparent areas (9) or micro-holes exposing said solar panel, wherein said image (3) is printed on or directly arranged against said transparent plate (2), and a light source (4) propagates the light thereof within the body of said transparent plate (2). Said device is particularly characterized in that said transparent plate (2) comprises optical means (10, 13) arranged so as to redirect most of the light injected by said light source (4) towards the image areas (8).

IPC 8 full level

H01L 31/05 (2006.01)

CPC (source: EP US)

G02B 6/005 (2013.01 - EP US); **G02B 6/006** (2013.01 - EP US); **G02B 6/0095** (2013.01 - US); **G09F 13/00** (2013.01 - EP US); **G09F 13/08** (2013.01 - EP US); **G09F 13/18** (2013.01 - EP US); **G09F 19/14** (2013.01 - EP US); **G09F 23/00** (2013.01 - EP US); **G09F 27/007** (2013.01 - EP US); **H01L 31/0547** (2014.12 - EP US); **H02S 30/10** (2014.12 - US); **G09F 2013/222** (2013.01 - EP US); **Y02E 10/52** (2013.01 - EP US)

Citation (search report)

See references of WO 2014167194A1

Cited by

US9841735B2; US10120344B2; US9671757B1; US9696688B1

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 2014167194 A1 20141016; EP 2984682 A1 20160217; FR 3004584 A1 20141017; FR 3004584 B1 20160701; US 2016072430 A1 20160310

DOCDB simple family (application)

FR 2014000080 W 20140410; EP 14725210 A 20140410; FR 1300847 A 20130411; US 201414783905 A 20140410