

Title (en)  
OPTICAL COMPONENT ENABLING THE DISPLAY OF DIFFERENT IMAGES ON A SOLAR PANEL DEPENDING ON THE ANGLE OF VIEW

Title (de)  
OPTISCHE VORRICHTUNG FÜR BESSERE ANZEIGE EINES BILDES ZUR PARTIELLEN ABDECKUNG EINES LICHTENERGIESENSORS

Title (fr)  
DISPOSITIF OPTIQUE DONNANT UN ASPECT DE RELIEF À UNE IMAGE QUI RECOUVRE PARTIELLEMENT UN CAPTEUR D'ÉNERGIE LUMINEUSE

Publication  
**EP 3063586 A1 20160907 (FR)**

Application  
**EP 14802934 A 20141029**

Priority  
• FR 1302539 A 20131031  
• FR 2014000233 W 20141029

Abstract (en)  
[origin: WO2015063380A1] The invention relates to a device comprising at least: (a) a sensor (5) of luminous energy from an external light source; (b) a transparent plate (1) arranged between said external light source and said sensor (5), comprising a first surface referred to as "front surface" (2) which is oriented towards said external light source and a second surface referred to as "rear surface" (6) which is oriented towards said sensor (5), said transparent plate (1) being optically structured on one of the two surfaces thereof (2&6) at least by a plurality of straight optical elements that are parallel to one another; (c) a plurality of image strips (3) separated by transparency strips (4); said device being characterised in that the longitudinal axis of the image strips (3) is tilted by an angle (a) other than zero relative to the longitudinal axis of the optical elements of the transparent plate (1), such that said images (3) viewed through the transparent plate (1) appear with a certain relief, while the energy production of the sensor (5) remains substantially constant regardless of the angle of incidence of said external light on the device.

IPC 8 full level  
**G09F 27/00** (2006.01); **F24S 23/30** (2018.01); **G02B 27/02** (2006.01); **G09F 19/14** (2006.01); **H01L 31/054** (2014.01); **H04N 13/04** (2006.01)

CPC (source: EP KR US)  
**F24S 23/30** (2018.04 - EP KR US); **G02B 27/028** (2013.01 - EP KR US); **G09F 19/14** (2013.01 - EP KR US); **G09F 27/007** (2013.01 - EP KR US); **H01L 31/0543** (2014.12 - EP KR US); **H04N 13/305** (2018.04 - EP US); **H04N 13/324** (2018.04 - EP US); **H04N 13/398** (2018.04 - EP US); **H04N 2213/001** (2013.01 - US); **Y02E 10/40** (2013.01 - EP US); **Y02E 10/52** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2015063380A1

Cited by  
US9841735B2; US10120344B2; US9671757B1; US9696688B1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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**FR 1302539 A 20131031**; CN 201480029266 A 20141029; EP 14802934 A 20141029; FR 2014000233 W 20141029; JP 2016551056 A 20141029; KR 20167014301 A 20141029; US 201415032189 A 20141029