

Title (en)  
DEVICE FOR COLLECTING SOLAR RADIATION

Title (de)  
EINRICHTUNG ZUM SAMMELN VON SOLARSTRAHLUNG

Title (fr)  
DISPOSITIF DESTINE A LA CAPTATION DU RAYONNEMENT SOLAIRE

Publication  
**EP 2195857 A2 20100616 (FR)**

Application  
**EP 08807181 A 20080924**

Priority  
• IB 2008002538 W 20080924  
• FR 0758011 A 20071002

Abstract (en)  
[origin: WO2009044247A2] The invention relates to a device (1) for collecting solar radiation without guiding the orientation thereof relative to the sun position, the device including at least one photovoltaic solar sensor (15, 16) having a surface sensitive to the solar radiation, at least one reflecting surface (19, 20) for reflecting the solar radiation towards the sensitive surface of the sensor, and means (7, 10, 11, 12) for maintaining the solar sensor that determines an orientation and an inclination of the sensitive surface of the sensor relative to the reflecting surface (19, 20). According to the invention, the reflecting surface (19, 20) is conformed so that, during at least certain periods of the day and at least certain days of the year, the solar radiation reflected by the reflecting surface reaches the sensitive surface of the solar sensor at the smallest possible angle of incidence when the device is arranged according to a predetermined orientation.

IPC 8 full level  
**F24S 50/20** (2018.01); **H01L 31/052** (2006.01); **F24S 23/70** (2018.01); **H01L 31/048** (2006.01)

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**F24S 23/80** (2018.04 - EP US); **F24S 25/67** (2018.04 - EP US); **H01L 31/0547** (2014.12 - EP US); **F24S 2023/86** (2018.04 - EP US); **H02S 20/00** (2013.01 - EP US); **Y02E 10/47** (2013.01 - EP US); **Y02E 10/52** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009044247A2

Citation (examination)  
US 4241726 A 19801230 - DOEBEL DAVID H [US]

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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