

Title (en)

CONCENTRATOR FOR SOLAR RADIATION AND USE THEREOF

Title (de)

KONZENTRATOR FÜR SOLARSTRAHLUNG UND DESSEN VERWENDUNG

Title (fr)

CONCENTRATEUR DE RAYONNEMENT SOLAIRE ET SON UTILISATION

Publication

**EP 2263049 A2 20101222 (DE)**

Application

**EP 09722269 A 20090302**

Priority

- EP 2009001470 W 20090302
- DE 102008014618 A 20080317

Abstract (en)

[origin: WO2009115182A2] The invention relates to a concentrator arrangement for solar radiation comprising a radiation divisor for deflecting solar radiation by total reflection. The invention also relates to a device for concentrating and converting solar energy, comprising said type of concentrator, and at least one device for converting the solar energy. Said type of devices for converting solar energy are for example, solar cells, solar modules or thermal solar collectors. The claimed concentrators can be used for concentrating solar radiation as in sun protection lamellae.

IPC 8 full level

**F24S 23/00** (2018.01); **F24S 23/70** (2018.01); **G02B 5/04** (2006.01); **G02B 27/14** (2006.01)

CPC (source: EP US)

**F24S 23/10** (2018.04 - EP US); **F24S 23/80** (2018.04 - EP US); **G02B 27/106** (2013.01 - EP US); **G02B 27/126** (2013.01 - EP US); **H01L 31/0543** (2014.12 - EP US); **H01L 31/0547** (2014.12 - EP US); **Y02B 10/20** (2013.01 - EP US); **Y02E 10/40** (2013.01 - EP US); **Y02E 10/52** (2013.01 - EP US)

Citation (search report)

See references of WO 2009115182A2

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

**DE 102008014618 A1 20090924**; **DE 102008014618 B4 20120405**; CN 101978225 A 20110216; CN 101978225 B 20140709; EP 2263049 A2 20101222; US 2011083740 A1 20110414; US 8889982 B2 20141118; WO 2009115182 A2 20090924; WO 2009115182 A3 20100826

DOCDB simple family (application)

**DE 102008014618 A 20080317**; CN 200980109248 A 20090302; EP 09722269 A 20090302; EP 2009001470 W 20090302; US 73609209 A 20090302