

Title (en)

SUNLIGHT CONCENTRATOR FOR A PHOTOVOLTAIC GENERATION SYSTEM

Title (de)

SONNENLICHTKONZENTRATOR FÜR EIN PHOTOVOLTAISCHES ERZEUGUNGSSYSTEM

Title (fr)

CONCENTRATEUR DE LUMIÈRE DU SOLEIL POUR UN SYSTÈME DE GÉNÉRATION PHOTOVOLTAÏQUE

Publication

**EP 2248187 A2 20101110 (EN)**

Application

**EP 09704680 A 20090122**

Priority

- IB 2009000111 W 20090122
- IT BO20080041 A 20080123

Abstract (en)

[origin: WO2009093129A2] A sunlight concentrator for a photovoltaic generation system (1), the concentrator (2) having an optical axis (3) and a curved reflecting surface (2a) to concentrate, according to a concentrated beam (6, 7) of rays ideally focusing in a focus (F) lying on the optical axis (3), the sunlight that strikes, according to an incident beam (4, 5) of rays parallel to the optical axis (3), on the reflecting surface (2a), and in which the reflecting surface (2a) has a curvature generated by a movement of a generatrix (10) consisting of a branch of a curve described by a polynomial function of degree in the range between 2.1 and 1.9, but different from 2.

IPC 8 full level

**H01L 31/052** (2006.01); **F24S 23/70** (2018.01)

CPC (source: EP)

**F24S 23/70** (2018.04); **H01L 31/0547** (2014.12); **F24S 2023/832** (2018.04); **Y02E 10/40** (2013.01); **Y02E 10/52** (2013.01)

Citation (search report)

See references of WO 2009093129A2

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DOCDB simple family (publication)

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