

Title (en)

REFLECTING SOLAR CONCENTRATOR FOR THE GENERATION OF ELECTRICAL ENERGY

Title (de)

REFLEKTIERENDER SONNENKONZENTRATOR ZUR ERZEUGUNG VON ELEKTRISCHER ENERGIE

Title (fr)

CONCENTRATEUR SOLAIRE REFLECHISSANT POUR LA GENERATION D'ENERGIE ELECTRIQUE

Publication

EP 1766298 A2 20070328 (EN)

Application

EP 05780113 A 20050620

Priority

- IB 2005001731 W 20050620
- IT MI20041234 A 20040621

Abstract (en)

[origin: WO2005124245A2] The present invention relates to a reflecting solar concentrator for the generation of electrical energy, comprising a generally concave reflector (1), having a plurality of reflecting elements (2) that define a focal area (3) situated before said reflecting elements (2), a photovoltaic receiver (4) having a plurality of photovoltaic cells, which define an active area, which is situated substantially at said focal area (2) and is adapted to receive the sunlight directly from said reflector (1), said photovoltaic receiver (4) being stationary with respect to said reflector (1), said reflecting elements (2) being substantially at the same distance from said focal area(3), characterized in that said reflecting elements (2) have a flat shape.

IPC 8 full level

F24J 2/00 (2006.01); **F24J 2/10** (2006.01); **F24J 2/14** (2006.01); **F24J 2/54** (2006.01); **F24S 23/70** (2018.01); **F24S 23/74** (2018.01)

CPC (source: EP)

F24S 23/70 (2018.04); **F24S 30/455** (2018.04); **F24S 2023/874** (2018.04); **Y02E 10/47** (2013.01)

Citation (search report)

See references of WO 2005124245A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005124245 A2 20051229; **WO 2005124245 A3 20060504**; **WO 2005124245 B1 20060803**; EP 1766298 A2 20070328; IT MI20041234 A1 20040921

DOCDB simple family (application)

IB 2005001731 W 20050620; EP 05780113 A 20050620; IT MI20041234 A 20040621