

Title (en)
SOLAR COLLECTOR ASSEMBLY

Title (de)
SOLARKOLLEKTORBAUGRUPPE

Title (fr)
ENSEMBLE CAPTEUR SOLAIRE

Publication
EP 2311097 A4 20140514 (EN)

Application
EP 09774564 A 20090702

Priority

- US 2009049610 W 20090702
- US 7803808 P 20080703
- US 7802908 P 20080703
- US 7824508 P 20080703
- US 7825608 P 20080703
- US 7799808 P 20080703
- US 7799108 P 20080703
- US 49513609 A 20090630
- US 49530309 A 20090630
- US 49516409 A 20090630
- US 49603409 A 20090701
- US 49615009 A 20090701
- US 49539809 A 20090630
- US 49654109 A 20090701
- US 7825908 P 20080703

Abstract (en)
[origin: WO2010003115A1] System(s) and method(s) for mounting, deploying, testing, operating, and managing a solar concentrator are provided. The innovation discloses mechanisms for evaluating the performance and quality of a solar collector via emission of modulated laser radiation upon (or near) a position of photovoltaic (PV) cells. The innovation discloses positioning two receivers at two distances from the source (e.g., solar collector or dish). These receivers are employed to collect light which can be compared to standards or other thresholds thereby diagnosing quality of the collectors. Receiver(s) includes photovoltaic (PV) module(s) for energy conversion, or module(s) for thermal energy harvesting. PV cell in PV modules can be laid out in various configurations to maximize electric current output. Moreover, a heat regulating assembly removes heat from the PV cells and other hot regions, to maintain the temperature gradient within predetermined levels.

IPC 8 full level
H01L 31/042 (2014.01); **F24S 23/70** (2018.01); **F24S 23/71** (2018.01); **F24S 23/74** (2018.01); **G02B 7/183** (2021.01)

CPC (source: EP US)
F24S 23/70 (2018.04 - EP); **F24S 23/74** (2018.04 - EP US); **F24S 25/00** (2018.04 - EP); **F24S 30/458** (2018.04 - EP US); **F24S 40/90** (2018.04 - EP US); **F24S 50/20** (2018.04 - EP US); **G01M 11/005** (2013.01 - EP US); **G02B 7/183** (2013.01 - EP); **H01L 31/0547** (2014.12 - EP); **H02S 20/32** (2014.12 - EP); **F24S 40/85** (2018.04 - EP); **F24S 2023/874** (2018.04 - EP); **F24S 2201/00** (2018.04 - EP); **Y02E 10/47** (2013.01 - EP); **Y02E 10/52** (2013.01 - EP)

Citation (search report)

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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 SM TR

DOCDB simple family (publication)
WO 2010003115 A1 20100107; **WO 2010003115 A4 20100304**; AU 2009266870 A1 20100107; BR PI0915510 A2 20160126; CA 2729811 A1 20100107; CN 102150282 A 20110810; CN 102150282 B 20131211; CN 103104990 A 20130515; CN 103104991 A 20130515; CN 103107221 A 20130515; CN 103107225 A 20130515; CN 103107225 B 20160518; EP 2311097 A1 20110420; EP 2311097 A4 20140514; IL 210448 A0 20110331; MX 2011000201 A 20110817; TW 201017905 A 20100501

DOCDB simple family (application)
US 2009049610 W 20090702; AU 2009266870 A 20090702; BR PI0915510 A 20090702; CA 2729811 A 20090702; CN 200980134527 A 20090702; CN 201210593389 A 20090702; CN 201210593507 A 20090702; CN 201210593509 A 20090702; CN 201210593917 A 20090702; EP 09774564 A 20090702; IL 21044811 A 20110103; MX 2011000201 A 20090702; TW 98122711 A 20090703