

Title (en)

LINEAR SOLAR ENERGY COLLECTOR SYSTEM AND SOLAR POWER GENERATOR SYSTEM

Title (de)

LINEARES SONNENENERGIEGEWINNUNGSSYSTEM UND SOLARSTROMGENERATORSYSTEM

Title (fr)

SYSTÈME COLLECTEUR D'ÉNERGIE SOLAIRE LINÉAIRE ET SYSTÈME GÉNÉRATEUR D'ÉNERGIE SOLAIRE

Publication

EP 2831517 A4 20150325 (EN)

Application

EP 13768874 A 20130322

Priority

- JP 2012068606 A 20120326
- JP 2012247211 A 20121109
- JP 2013059424 W 20130322

Abstract (en)

[origin: WO2013147108A1] A linear solar energy collector system includes reflective lines arranged in parallel in a south-north direction, heliostats mounted on the reflective lines, respectively, each comprised of mirror segments to reflect solar radiation, a light receiving line set above the reflective lines in a east-west direction, a receiver mounted on the light receiving line, to receive light reflected from the heliostats and collect heat from the light, and an angular adjuster to adjust angles of the mirror segments individually to irradiate a same light receiving area on the receiver with the reflected light from east-west neighboring reflective lines and thereby adjust a concentration ratio.

IPC 8 full level

F24S 50/20 (2018.01); **F24S 10/70** (2018.01); **F24S 23/70** (2018.01); **F24S 23/71** (2018.01); **F24S 20/20** (2018.01)

CPC (source: EP US)

F24S 10/70 (2018.04 - EP US); **F24S 20/20** (2018.04 - EP US); **F24S 23/70** (2018.04 - EP US); **F24S 23/71** (2018.04 - EP US); **F24S 50/20** (2018.04 - EP US); **F24S 23/74** (2018.04 - EP US); **Y02E 10/40** (2013.01 - US); **Y02E 10/44** (2013.01 - EP US); **Y02E 10/46** (2013.01 - EP US); **Y02E 10/47** (2013.01 - EP US)

Citation (search report)

- [XYI] WO 2010099516 A1 20100902 - WELLE RICHARD [US]
- [Y] WO 2009121174 A1 20091008 - GERWING DAVID [CA], et al
- [Y] JP 2009218383 A 20090924 - PANASONIC CORP
- [Y] US 2009056699 A1 20090305 - MILLS DAVID R [US], et al
- [Y] WO 2009029275 A2 20090305 - AUSRA INC [US], et al
- See references of WO 2013147108A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2013147108 A1 20131003; AU 2013241067 A1 20140925; CN 104321595 A 20150128; EP 2831517 A1 20150204; EP 2831517 A4 20150325; JP 2013228184 A 20131107; US 2015096552 A1 20150409

DOCDB simple family (application)

JP 2013059424 W 20130322; AU 2013241067 A 20130322; CN 201380026411 A 20130322; EP 13768874 A 20130322; JP 2012247211 A 20121109; US 201314384484 A 20130322