

Title (en)
SOLAR COLLECTORS

Title (de)
SONNENKOLLEKTOREN

Title (fr)
CAPTEURS SOLAIRES

Publication
EP 2580533 A4 20141001 (EN)

Application
EP 11769716 A 20110415

Priority
• US 32473010 P 20100415
• US 2011032769 W 20110415

Abstract (en)
[origin: WO2011130695A2] An array of solar collectors includes dual axis reflectors for directing solar radiation to receivers at focal points of the reflectors. Solar radiation is used to heat a thermal energy storage material, which may be used to generate steam for use in power generation with the aid of a turbine. The dual axis reflectors may pivot about independent axes of rotation, thereby enabling use of the reflectors throughout the year.

IPC 8 full level
F24J 2/04 (2006.01); **F24J 2/10** (2006.01); **F24J 2/24** (2006.01); **F24S 10/70** (2018.01); **F24S 10/75** (2018.01); **F24S 10/95** (2018.01); **F24S 20/20** (2018.01); **F24S 23/70** (2018.01); **F24S 23/71** (2018.01); **F24S 23/74** (2018.01); **F24S 50/20** (2018.01); **F03G 6/06** (2006.01); **F24J 2/07** (2006.01); **F24J 2/12** (2006.01); **F24J 2/14** (2006.01); **F24J 2/26** (2006.01); **F24J 2/32** (2006.01); **F24J 2/38** (2014.01); **F24J 2/46** (2006.01); **F24J 2/51** (2006.01); **F24J 2/54** (2006.01)

CPC (source: EP US)
F03G 6/067 (2013.01 - EP US); **F24S 10/70** (2018.04 - EP US); **F24S 10/75** (2018.04 - US); **F24S 10/95** (2018.04 - EP US); **F24S 20/20** (2018.04 - EP US); **F24S 23/70** (2018.04 - US); **F24S 23/74** (2018.04 - EP US); **F24S 30/455** (2018.04 - EP US); **F24S 50/20** (2018.04 - US); **F24S 80/10** (2018.04 - US); **F24S 80/60** (2018.04 - EP US); **F24S 2020/23** (2018.04 - EP US); **F24S 2023/833** (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] US 3996917 A 19761214 - TRIHEY JOHN MASSEY
• [X] WO 2008109746 A2 20080912 - SOLAR & ENVIRONMENTAL TECHNOLO [US], et al
• [X] WO 02073098 A2 20020919 - BORRA LIBERO [IT]
• [X] US 2009241937 A1 20091001 - ASHCRAFT DARREL GENE [US]
• [Y] WO 2009015388 A2 20090129 - BRIGHTSOURCE ENERGY INC [US], et al
• See references of WO 2011130695A2

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

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US 2013098354 A1 20130425

DOCDB simple family (application)
US 2011032769 W 20110415; EP 11769716 A 20110415; US 201113637432 A 20110415