

Title (en)  
FIBER-BASED TRANSMISSION SYSTEM FOR SOLAR ENERGY SYSTEM AND METHOD OF PROVIDING AND USING THE SAME

Title (de)  
FASERBASIERTES ÜBERTRAGUNGSSYSTEM FÜR EIN SONNENENERGIESYSTEM SOWIE VERFAHREN ZU SEINER BEREITSTELLUNG UND VERWENDUNG

Title (fr)  
SYSTÈME DE TRANSMISSION À BASE DE FIBRES POUR SYSTÈME SOLAIRE ET SON PROCÉDÉ DE FABRICATION ET D'UTILISATION

Publication  
**EP 2663812 A4 20171227 (EN)**

Application  
**EP 12734412 A 20120113**

Priority  
• US 201161432955 P 20110114  
• US 2012021255 W 20120113

Abstract (en)  
[origin: WO2012097260A2] In some embodiments, a solar energy system can include: (a) at least one solar collector, the at least one solar collector having: (1) one or more fiber optic cables; (2) a receiver with focusing optics configured to focus solar radiation into the one or more fiber optic cables; and (3) at least one concentrating reflector configured to re-direct the solar radiation to the receiver; and (b) one or more converting elements coupled to the one or more fiber optic cables, the one or more converting elements configured to convert the solar radiation into one or more other forms of energy. Other embodiments are disclosed.

IPC 8 full level  
**F24J 2/00** (2014.01); **F24S 23/00** (2018.01); **F24S 23/30** (2018.01); **F24S 23/70** (2018.01); **F24S 23/71** (2018.01); **G02B 6/04** (2006.01); **G02B 6/42** (2006.01)

CPC (source: EP US)  
**F24S 23/12** (2018.04 - EP); **F24S 23/30** (2018.04 - EP); **F24S 23/70** (2018.04 - EP); **F24S 23/71** (2018.04 - EP US); **G02B 6/4298** (2013.01 - EP US); **F24S 23/74** (2018.04 - EP US); **F24S 23/80** (2018.04 - EP); **G02B 6/04** (2013.01 - EP); **Y02E 10/40** (2013.01 - EP)

Citation (search report)  
• [XY] WO 2010033554 A1 20100325 - PULSAR ENERGY INC [US], et al  
• [XY] KR 100935921 B1 20100107 - HONG WON BAE [KR]  
• [XY] WO 2007099564 A1 20070907 - GARBAGNATI FRANCESCO [IT], et al  
• [Y] WO 2006058386 A1 20060608 - DOL EDO [AU]  
• [Y] JP S60202411 A 19851012 - SUWA SEIKOSHA KK  
• [Y] EP 0367032 A2 19900509 - GEN ELECTRIC [US]  
• See references of WO 2012097260A2

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

DOCDB simple family (publication)  
**WO 2012097260 A2 20120719; WO 2012097260 A3 20121101**; BR 112013017949 A2 20161101; CN 103429967 A 20131204; CN 103429967 B 20170322; EP 2663812 A2 20131120; EP 2663812 A4 20171227; MX 2013008081 A 20131216; TW 201245642 A 20121116; TW I595198 B 20170811

DOCDB simple family (application)  
**US 2012021255 W 20120113**; BR 112013017949 A 20120113; CN 201280013493 A 20120113; EP 12734412 A 20120113; MX 2013008081 A 20120113; TW 101101325 A 20120113