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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

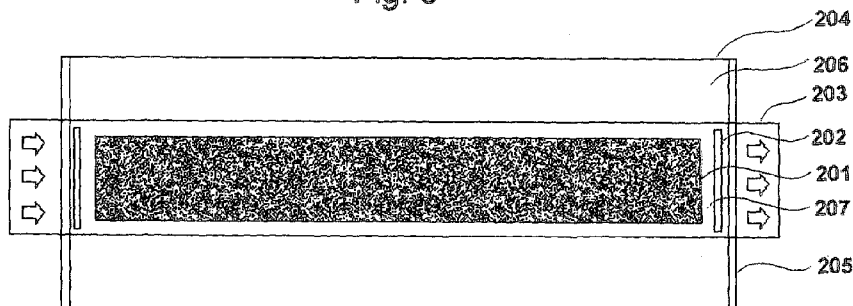
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(54) Title: SOLAR RECEIVER WITH GRAPHENE FOAM THERMAL CONDUCTION CORE

Fig. 8



(57) Abstract: The invention pertains to the field of solar heat exchangers, specifically solar receivers or solar absorbers used in solar thermal energy collectors. The solar receiver of the invention comprises a porous three-dimensional 'graphene foam' thermal conduction core (201) in direct three-dimensional contact with a heat transfer fluid (207) within an evacuated translucent inner tube (203) that is exposed to direct solar radiation. Alternatives without substantial differences exist in the disclosure. The receiver is integrated in a solar thermal energy collection system, such as a parabolic trough concentrated solar power system.



INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. F24J2/07 F24J2/05 F24J2/50
ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
F24J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 10 2010 060289 A1 (SCHATZ VIKTOR [DE]) 19 May 2011 (2011-05-19)	1-6, 8-14, 16-20
Y	paragraph [0057]	7,21
Y	----- WO 2009/061492 A1 (SUNRGI [US]; MURTHY KRS [US]; BLOCK ROBERT S [US]; AMARO ALLEN J [US]) 14 May 2009 (2009-05-14) paragraphs [0003], [0010], [0059], [0060] -----	7,21

Further documents are listed in the continuation of Box C.

See patent family annex.

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- "&" document member of the same patent family

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Louchet, Nicolas
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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