

Title (en)

SOLAR FLUX CONVERSION MODULE WITH SUPPORTED FLUID TRANSPORT

Title (de)

SOLARFLUSSUMWANDLUNGSMODUL MIT UNTERSTÜTZTEM FLUIDTRANSPORT

Title (fr)

MODULE DE CONVERSION DE FLUX SOLAIRE À TRANSPORT DE FLUIDE ASSISTÉ

Publication

EP 3286506 A1 20180228 (EN)

Application

EP 16783805 A 20160420

Priority

- US 201514691559 A 20150420
- US 2016028521 W 20160420

Abstract (en)

[origin: WO2016172266A1] In one embodiment a solar collector is provided. The collector has a modular heat transfer component, which includes a heat transfer core to heat up a heat transfer fluid in the form of an aerogel. The heat transfer core positioned comprises a light absorption element, and a fluid transfer element in the form of an aerogel. The aero gel comprises voids shaped and dimensioned to support passive pumping of the heat transfer fluid therethrough.

IPC 8 full level

F24S 10/40 (2018.01); **F24S 10/60** (2018.01)

CPC (source: EP US)

F03G 6/065 (2013.01 - EP); **F22B 1/006** (2013.01 - EP US); **F24S 10/25** (2018.04 - EP); **F24S 10/45** (2018.04 - EP); **F24S 10/80** (2018.04 - EP US); **F24S 10/95** (2018.04 - EP US); **F24S 23/00** (2018.04 - EP US); **F24S 23/80** (2018.04 - EP); **F24S 80/52** (2018.04 - EP US); **F24S 80/54** (2018.04 - EP US); **F24S 80/60** (2018.04 - EP); **F24S 2023/85** (2018.04 - EP); **F24S 2025/011** (2018.04 - EP); **Y02E 10/44** (2013.01 - EP); **Y02E 10/46** (2013.01 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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