

Title (en)  
HIGH TEMPERATURE GRAPHITE HEAT EXCHANGER

Title (de)  
HOCHTEMPERATUR-GRAFIT-WÄRMEAUSTAUSCHER

Title (fr)  
ÉCHANGEUR DE CHALEUR À BASE DE GRAPHITE HAUTE TEMPÉRATURE

Publication  
**EP 2440873 A4 20141210 (EN)**

Application  
**EP 10786929 A 20100611**

Priority

- US 2010038374 W 20100611
- US 18667809 P 20090612
- US 72365110 A 20100314

Abstract (en)  
[origin: US2010314081A1] A graphite-based heat exchanger, especially for use as a solar energy receptor as part of the thermal process in a solar power system, including an energy collection panel, a heat spreader, and a thermal element, wherein the heat spreader is formed of flexible graphite having a density of at least about 0.6 g/cc and a thickness of less than about 10 mm, and the heat spreader further has a first side and a second side, wherein the heat spreader is in a thermal transfer relationship with the thermal element, and wherein the energy collection panel includes at least one sheet or block of graphite.

IPC 8 full level  
**F28D 15/00** (2006.01); **F24J 2/46** (2006.01); **F24J 2/48** (2006.01); **F24S 10/75** (2018.01); **F24S 20/20** (2018.01); **F28F 21/02** (2006.01); **F28D 1/047** (2006.01); **F28F 7/02** (2006.01)

CPC (source: EP KR US)  
**F24S 10/75** (2018.04 - EP US); **F24S 20/20** (2018.04 - EP US); **F24S 70/10** (2018.04 - EP US); **F28D 1/047** (2013.01 - EP US); **F28D 15/00** (2013.01 - KR); **F28F 7/02** (2013.01 - EP US); **F28F 21/02** (2013.01 - EP KR US); **F24S 2080/014** (2018.04 - EP US); **Y02E 10/40** (2013.01 - US); **Y02E 10/44** (2013.01 - EP US)

Citation (search report)

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- [Y] EP 1688684 A1 20060809 - SGL CARBON AG [DE]
- [Y] US 2006272796 A1 20061207 - ASMUSSEN ERICK R [US], et al
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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 SE SI SK SM TR

DOCDB simple family (publication)  
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