

Title (en)

HEAT TRANSFER MEDIUM, USE THEREOF, AND METHOD FOR OPERATING A SOLAR THERMAL POWER PLANT

Title (de)

WÄRMETRANSMITTNUM, VERWENDUNG DAZU UND VERFAHREN ZUM BETREIBEN EINER SOLARTHERMISCHEN KRAFTWERKSANLAGE

Title (fr)

FLUIDE CALOPORTEUR, UTILISATION CORRESPONDANTE ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE CENTRALE HÉLIOTHERMIQUE

Publication

**EP 2603746 A1 20130619 (DE)**

Application

**EP 11751901 A 20110901**

Priority

- DE 102010041460 A 20100927
- EP 2011065136 W 20110901

Abstract (en)

[origin: WO2012041634A1] The invention relates to a heat transfer medium, in particular for use in solar thermal power plants, and to a method for operating a solar thermal power plant. According to the invention, a heat transfer medium is used which can reversibly absorb and release water, wherein the heat transfer medium releases water during heating and releases heat during re-absorption of the water.

IPC 8 full level

**F24J 2/46** (2006.01); **C09K 5/12** (2006.01)

CPC (source: EP US)

**C01D 3/02** (2013.01 - EP US); **C01D 5/00** (2013.01 - EP US); **C01D 7/00** (2013.01 - EP US); **C01D 15/04** (2013.01 - EP US); **C01D 15/10** (2013.01 - EP US); **C01F 11/36** (2013.01 - EP US); **C09K 5/12** (2013.01 - EP US); **F24S 60/30** (2018.04 - EP US); **F24S 80/20** (2018.04 - EP US); **F28D 20/003** (2013.01 - EP US); **Y02E 10/46** (2013.01 - EP US); **Y02E 60/14** (2013.01 - EP US); **Y02E 70/30** (2013.01 - EP US); **Y02P 20/133** (2015.11 - EP US)

Citation (search report)

See references of WO 2012041634A1

Citation (examination)

US 2009020264 A1 20090122 - MORITA YOSHIO [JP], et al

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)

**DE 102010041460 A1 20120119**; EP 2603746 A1 20130619; US 2013180519 A1 20130718; US 9506671 B2 20161129; WO 2012041634 A1 20120405

DOCDB simple family (application)

**DE 102010041460 A 20100927**; EP 11751901 A 20110901; EP 2011065136 W 20110901; US 201113876311 A 20110901