Title (en)

STEAM GENERATOR AND REACTOR

Title (de)

DAMPFERZEUGER UND REAKTOR

Title (fr)

GÉNÉRATEUR DE VAPEUR ET RÉACTEUR

Publication

EP 3532777 A4 20200325 (EN)

Application

EP 17863868 A 20171019

Priority

- US 201662412526 P 20161025
- US 2017057356 W 20171019

Abstract (en)

[origin: WO2018080885A1] A method of producing an active chemical species, steam or superheated steam includes flowing one or more fluids through a conduit, locating one or more incandescent lights in close proximity to the conduit, and using at least a portion of the heat emitted from the one or more incandescent lights to heat the one or more fluids flowing through the conduit so that the fluid or fluids are disassociated into chemical components, associated into a new compound, or converted into steam.

IPC 8 full level

F24H 1/12 (2006.01); **F22B 1/28** (2006.01); **F22B 1/30** (2006.01); **F24H 1/10** (2006.01); **F24H 1/14** (2006.01); **F24H 1/16** (2006.01); **H05B 3/40** (2006.01)

CPC (source: EP KR US)

F22B 1/28 (2013.01 - EP US); **F22B 1/281** (2013.01 - US); **F22B 1/282** (2013.01 - KR US); **F22B 1/284** (2013.01 - KR); **F22B 1/30** (2013.01 - EP US); **F22B 37/12** (2013.01 - KR); **F22G 1/06** (2013.01 - KR); **F24H 1/10** (2013.01 - US); **F24H 1/12** (2013.01 - US); **F24H 1/142** (2013.01 - EP); **F24H 1/162** (2013.01 - EP); **F24H 1/43** (2013.01 - US); **H05B 3/0052** (2013.01 - EP US); F24H 2250/14 (2013.01 - EP US)

Citation (search report)

- [XY] DE 102009010989 A1 20100902 - EGO ELEKTRO GERAETEBAU GMBH [DE]
- [Y] US 5054107 A 19911001 - BATCHELDER GEOFFREY [US]
- [Y] US 2954826 A 19601004 - SIEVERS WILLIAM E
- [X] US 2014029924 A1 20140130 - UCHIDA MINORU [JP]
- [X] US 2012063754 A1 20120315 - NISHIDA TOSHIHIKO [JP], et al
- See references of WO 2018080885A1

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 2018080885 A1 20180503; CN 110023689 A 20190716; EP 3532777 A1 20190904; EP 3532777 A4 20200325; JP 2019537700 A 20191226; KR 20190075995 A 20190701; TW 201829961 A 20180816; US 2019249863 A1 20190815

DOCDB simple family (application)

US 2017057356 W 20171019; CN 201780066320 A 20171019; EP 17863868 A 20171019; JP 2019543172 A 20171019; KR 20197014815 A 20171019; TW 106135393 A 20171017; US 201916392917 A 20190424