

Title (en)

TUBULAR HEAT EXCHANGER, IN PARTICULAR RECEIVING TUBE OF A CONCENTRATING SOLAR PLANT

Title (de)

ROHRFÖRMIGER WÄRMETAUSCHER, IM BESODDEREN EIN AUFNAHMEROHR EINER SONNENKONZENTRATIONSANLAGE

Title (fr)

ÉCHANGEUR DE CHALEUR TUBULAIRE, PLUS PARTICULIÈREMENT TUBE RÉCEPTEUR D'UNE CENTRALE SOLAIRE À CONCENTRATION

Publication

EP 2496904 A2 20120912 (EN)

Application

EP 10790684 A 20101103

Priority

- IT RM20090556 A 20091103
- IT 2010000441 W 20101103

Abstract (en)

[origin: WO2011055401A2] The present invention concerns a tubular heat exchanger between a source of radiant heat located externally with respect to said tubular heat exchanger and a heat-carrying fluid flowing inside the exchanger, the radiant heat coming from said source being concentrated on a longitudinal portion of the external surface of said tubular heat exchanger, comprising means for reducing the temperature gradient along the cross section of the walls of the tubular heat exchanger.

IPC 8 full level

F28F 1/40 (2006.01); **F24S 10/70** (2018.01); **F24S 20/20** (2018.01); **F28F 13/14** (2006.01)

CPC (source: EP US)

F24S 20/20 (2018.04 - EP US); **F28F 1/40** (2013.01 - EP US); **F28F 13/14** (2013.01 - EP US); **F24S 2080/05** (2018.04 - EP US); **Y02E 10/40** (2013.01 - EP US)

Citation (search report)

See references of WO 2011055401A2

Citation (examination)

- FR 70317 E 19590406 - CHANTIERS DE ATLANTIQUE
- JP S616237 A 19860111 - TANAKA PRECIOUS METAL IND

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 2011055401 A2 20110512; **WO 2011055401 A3 20110630**; **WO 2011055401 A8 20110818**; CN 102741645 A 20121017; EP 2496904 A2 20120912; IL 219501 A0 20120628; IT 1399246 B1 20130411; IT RM20090556 A1 20110504; US 2012312294 A1 20121213

DOCDB simple family (application)

IT 2010000441 W 20101103; CN 201080049970 A 20101103; EP 10790684 A 20101103; IL 21950112 A 20120430; IT RM20090556 A 20091103; US 201013505689 A 20101103