

Title (en)

COMPACT LINEAR FRESNEL REFLECTIVE SOLAR CONCENTRATOR DESIGNED FOR DIRECT MOLTEN SALT OPERATION AS HEAT TRANSFER FLUID IN EVACUATED TUBES

Title (de)

KOMPAKTER LINEARER REFLEKTIERENDER FRESNELSCHER SONNENKONZENTRATOR FÜR DIREKTEN SALZSCHMELZEBETRIEB ALS WÄRMEÜBERTRAGUNGSFLUID IN EVAKUIERTEN ROHREN

Title (fr)

CONCENTRATEUR DE FRESNEL SOLAIRE, RÉFLÉCHISSANT, LINÉAIRE ET COMPACT CONÇU POUR LA MISE EN UVRE DIRECTE DE SEL FONDU EN TANT QUE FLUIDE DE TRANSFERT THERMIQUE DANS DES TUBES SOUS VIDE

Publication

EP 3408595 A1 20181205 (EN)

Application

EP 17704839 A 20170124

Priority

- PT 10810816 A 20160125
- PT 10911516 A 20160127
- PT 2017050003 W 20170124

Abstract (en)

[origin: EP3524901A1] A new Compact Linear Fresnel Reflector (CLFR) "Etendue-Matched" concentrator designed for two evacuated tubular receivers with a double set of TERC (Tailored Edge Ray Concentrator) type asymmetric second stage secondary and a double set of second stage asymmetric CEC (Compound Elliptical Concentrator) combinations, aiming at operating temperatures above 560°C.

IPC 8 full level

F24S 10/40 (2018.01); **F24S 23/79** (2018.01)

CPC (source: EP)

F24S 10/45 (2018.04); **F24S 23/79** (2018.04); **F24S 23/80** (2018.04); **F24S 80/20** (2018.04); **F24S 2023/872** (2018.04); **Y02E 10/44** (2013.01)

Citation (search report)

See references of WO 2017131544A1

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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