

Title (en)

HYBRID RADIATION ABSORBER FOR SOLAR POWER PLANT, AND METHOD FOR PREPARING SUCH AN ABSORBER

Title (de)

HYBRIDSTRAHLUNGSABSORBER FÜR SOLARKRAFTWERK UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN ABSORBERS

Title (fr)

ABSORBEUR HYBRIDE DE RAYONNEMENTS POUR CENTRALE SOLAIRE, ET PROCEDE DE PREPARATION D'UN TEL ABSORBEUR

Publication

**EP 3983730 A1 20220420 (FR)**

Application

**EP 20743185 A 20200526**

Priority

- FR 1906299 A 20190613
- FR 2020050882 W 20200526

Abstract (en)

[origin: WO2020249885A1] The present invention relates to a solar radiation absorber for a concentrated solar thermal power plant, the absorber being characterised in that it is formed from a monolithic piece of silicon carbide, the absorption surface of which is, for example, coated with tungsten dendrites, in particular for the production of a collector or a system for a solar power plant. The invention also relates to a method for preparing such an absorber.

IPC 8 full level

**F24S 20/20** (2018.01); **F24S 20/40** (2018.01); **F24S 70/10** (2018.01); **F24S 70/16** (2018.01); **F24S 70/20** (2018.01); **F24S 70/60** (2018.01)

CPC (source: CN EP IL KR)

**F24S 10/40** (2018.04 - IL); **F24S 20/20** (2018.04 - CN EP IL KR); **F24S 20/40** (2018.04 - CN EP IL KR); **F24S 70/10** (2018.04 - CN EP IL); **F24S 70/16** (2018.04 - CN EP IL KR); **F24S 70/20** (2018.04 - CN EP IL KR); **F24S 70/60** (2018.04 - CN EP IL KR); **F24S 10/40** (2018.04 - EP); **F24S 2080/01** (2018.04 - CN EP IL KR); **F24S 2080/011** (2018.04 - CN EP IL KR); **Y02E 10/40** (2013.01 - KR); **Y02E 10/46** (2013.01 - EP)

Citation (search report)

See references of WO 2020249885A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020249885 A1 20201217**; AU 2020290036 A1 20220120; CA 3142844 A1 20201217; CN 114127484 A 20220301; EP 3983730 A1 20220420; FR 3097304 A1 20201218; FR 3097304 B1 20210702; IL 288880 A 20220201; JP 2022536366 A 20220815; KR 20220024542 A 20220303

DOCDB simple family (application)

**FR 2020050882 W 20200526**; AU 2020290036 A 20200526; CA 3142844 A 20200526; CN 202080050800 A 20200526; EP 20743185 A 20200526; FR 1906299 A 20190613; IL 28888021 A 20211209; JP 2021573750 A 20200526; KR 20227001259 A 20200526