

Title (en)

SOLAR RECEIVER FOR RECEIVING SOLAR RAYS AND FOR HEATING A MEDIUM

Title (de)

SOLARRECEIVER ZUM AUFNEHMEN VON SONNENSTRAHLEN UND ZUM AUFHEIZEN EINES MEDIUMS

Title (fr)

RÉCEPTEUR SOLAIRE PERMETTANT DE RECUEILLIR DES RAYONS DE SOLEIL ET DE CHAUFFER UN MILIEU

Publication

EP 3728964 A1 20201028 (DE)

Application

EP 18796392 A 20181025

Priority

- DE 102017223756 A 20171222
- EP 2018079237 W 20181025

Abstract (en)

[origin: WO2019120704A1] The invention relates to a solar receiver (4) for receiving solar rays which heat a free-flowing medium, said solar receiver comprising the following features: • - a hollow body, which has a longitudinal axis (8.4), a wall (8) surrounding the longitudinal axis (8.4), an opening (9) disposed in the wall (8) for the entry of heat rays, and an end region opposite the opening (9). The solar receiver according to the invention is characterised by the following features: • - the wall (8) comprises an outer wall (8.1), an inner wall (8.2), and a partition wall (8.3) disposed therebetween; • - the outer wall (8.1) and the partition wall (8.3) enclose an outer annular space (8.1.1), the inner wall (8.2) and the partition wall (8.3) enclose an inner annular space (8.2.1); • - the outer annular space (8.1.1) has, in the end region, an inlet (12) for a free-flowing medium, the two annular spaces (8.1.1, 8.2.1) are conductively connected to one another in the region of the opening (9), and the inner annular space (8.2.1) has an outlet (11) for a free-flowing medium in the end region.

IPC 8 full level

F24S 20/20 (2018.01)

CPC (source: EP US)

F03G 6/04 (2013.01 - US); **F03G 6/064** (2013.01 - EP); **F24S 20/20** (2018.05 - EP); **F24S 23/77** (2018.05 - US); **F24S 40/55** (2018.05 - US); **F03G 6/063** (2021.08 - US); **F24S 2080/05** (2018.05 - US)

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)

DE 102017223756 A1 20190627; AU 2018389289 A1 20200806; AU 2018389289 B2 20230202; EP 3728964 A1 20201028; US 11415115 B2 20220816; US 2020392947 A1 20201217; WO 2019120704 A1 20190627

DOCDB simple family (application)

DE 102017223756 A 20171222; AU 2018389289 A 20181025; EP 18796392 A 20181025; EP 2018079237 W 20181025; US 201816956796 A 20181025