Title (en)

A CENTRAL SOLAR RECEIVER WITH A MULTI COMPONENT WORKING MEDIUM

Title (de)

SOLAR-EMPFÄNGER MIT MEHRKOMPONENTEN-ARBEITSMEDIUM

Title (fr)

CAPTEUR SOLAIRE CENTRAL A MILIEU DE TRAVAIL MULTICONSTITUANTS

Publication

EP 0807229 A4 19991201 (EN)

Application

EP 96905352 A 19960206

Priority

- IL 11265895 A 19950215
- US 9601476 W 19960206

Abstract (en)

[origin: WO9625633A1] A central solar receiver comprising a tubular housing (1) with a central axis, a radiation admitting aperture (5) and an absorber chamber having an outer wall, two oppositely located ends (2, 3), an inner-wall-forming substantially tubular transparent window (6) co-axial with the tubular housing. The solar receiver further comprises injection means (26) near a first of the oppositely located ends and at least one egress opening means (30) near a second of the oppositely located ends. The injection means are capable of injecting into the absorber chamber a multicomponent fluid mixture comprising at least one radiation absorbing component and are so designed that the fluid mixture is injected into the absorber chamber adjacent and essentially tangentially to the outer wall, whereby contact between the mixture and the window is reduced. The egress opening enables the egress of the fluid mixture from the absorber chamber.

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F24J 2/02

IPC 8 full level

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CPC (source: EP)

F24S 20/20 (2018.04); Y02E 10/40 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

CH DE ES FR GB IT LI SE

DOCDB simple family (publication)

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