

Title (en)

RECEIVING DEVICE FOR SOLAR RADIATION WITH A CONTAINER FOR HEATING A HEAT TRANSFER MEDIUM IN A SOLAR THERMAL POWER PLANT

Title (de)

EMPFÄNGERVORRICHTUNG FÜR SOLARSTRAHLUNG MIT EINEM BEHÄLTER ZUM AUFHEIZEN EINES WÄRMETRÄGERMEDIUMS IN EINEM SOLARTHERMISCHEN KRAFTWERK

Title (fr)

DISPOSITIF RÉCEPTEUR POUR RAYONNEMENT SOLAIRE COMPRENANT UN RÉCIPIENT POUR CHAUFFER UN FLUIDE CALOPORTEUR DANS UNE CENTRALE HÉLIOTHERMIQUE

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Application

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Priority

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Abstract (en)

[origin: WO2023280871A1] The invention relates to a receiving device (100) for solar radiation (112) with a container (200) for heating a heating transfer medium (210) in a solar thermal power plant, comprising a double-walled housing (220) which extends in a longitudinal direction (215), the housing surrounding an interior (208) and having an outer wall (206) and an inner wall (218) surrounded by the outer wall, between which a plurality of support elements (10, 11) and counter support elements (30, 31) is disposed, wherein: support elements (10, 11) and/or counter support elements (30, 31) corresponding with each other extend away from the outer wall (206) and/or the inner wall (218) in a radial direction (238); support elements (11) and counter support elements (31) corresponding with each other in at least the longitudinal direction (215) are seated against each other on one side; and support elements (10) and counter support elements (30) corresponding with each other in the peripheral direction (242) along at least one peripheral line (244) are seated against each other on one side. There are at least two support elements (10, 11) which are seated against opposite sides of the corresponding counter support element (30, 31) in question.

IPC 8 full level

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