

Title (en)

SOLAR POWER PLANT PART OF A SOLAR THERMAL POWER PLANT AND SOLAR THERMAL POWER PLANT PROVIDED WITH SOLAR COLLECTOR SURFACES FOR A HEAT TRANSFER MEDIUM AND WORKING MEDIUM

Title (de)

SOLARER KRAFTWERKSTEIL EINER SOLARTHERMISCHEN KRAFTWERKSANLAGE UND SOLARTHERMISCHE KRAFTWERKSANLAGE MIT SONNENKOLLEKTORFLÄCHEN FÜR WÄRMETRÄGERMEDIUM UND ARBEITSMEDIUM

Title (fr)

PARTIE SOLAIRE D'UNE CENTRALE HÉLIOTHERMIQUE ET CENTRALE HÉLIOTHERMIQUE PRÉSENTANT DES SURFACES DE COLLECTEURS SOLAIRES POUR AGENT CALOPORTEUR ET AGENT DE TRAVAIL

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Abstract (en)

[origin: WO2011138215A2] The invention relates to a solar power plant part (23) of a solar thermal power plant (22), comprising a first solar collector surface (24) which is arranged in one section of a heat transfer medium circuit (29). A second solar collector surface (25) is arranged in the solar power plant part (23) as a super heater for a working medium which can be released for technical work in a turbine (12). The invention also relates to a solar thermal power plant (22) comprising a solar power plant part (23), a working medium circuit (31) which comprises a steam turbine (12), a first heat exchanger (8) for transferring heat from the heat transfer medium circuit (29) to the working medium circuit (31). The first heat exchanger (8) is connected on the primary side in the heat exchanger medium circuit (29) and on the secondary side in the working medium circuit (31), the second solar collector surface (25) being connected behind the first heat exchanger (8) in the working medium circuit (31) as a super heater in the direction of flow of the working medium. The invention also relates to a method for operating a solar thermal power plant (22).

IPC 8 full level

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