

Title (en)  
PREFABRICATED, TRANSPORTABLE SOLAR EQUIPMENT.

Title (de)  
TRANSPORTABLE SOLAR-ANLAGE IN FERTIGBAUWEISE.

Title (fr)  
INSTALLATION SOLAIRE, TRANSPORTABLE, PREFABRIQUEE.

Publication  
**EP 0026173 A1 19810408 (DE)**

Application  
**EP 79900852 A 19801023**

Priority  
DE 7900036 W 19790402

Abstract (en)  
[origin: WO8002191A1] The solar equipment, transportable and economic, furnishing sanitary and industrial hot water is a pyramidal unit with six sides ready to be put into operation and can be placed or installed on garages, flat roofs or walls exposed to the sun; two units can be combined in order to form a larger equipment. A self-supporting structure shaped as a roof is constituted by three segments, whose rafters (16) are sloped at 30°, and carry triangular high yield collectors (11). Reflecting mirrors are placed on their edges. The whole makes up the covering of the pyramidal unit with six sides which contains a heat accumulator (15) of corresponding form as a heat exchanger, heating coils (145) connecting tubes, means for the regulation and supply joints. In that way a solar heating equipment is provided which can be transported by lorry to its site of installation where the supply couplings are affixed and which can supply hot water by means of solar energy during the whole year and without pollution.

Abstract (fr)  
L'installation solaire transportable et economique fournissant de l'eau chaude sanitaire et industrielle se presente sous la forme d'une unite pyramidale a six cotes prete a etre mise en service et peut etre posee ou montee sur des garages, des toits plats ou des murs exposes au soleil; deux unites peuvent etre combinees pour former une installation plus grande. Une structure autoportante en forme de toit est constituee de trois segments, dont les chevrons (16) sont inclines de 30°, et porte des collecteurs triangulaires (11) de grand rendement. Des miroirs reflecteurs (13) sont disposes sur leurs bords. Le tout forme la couverture d'une unite d'une pyramide a six cotes et renferme un accumulateur d'eau (15) de forme correspondante comme echangeur de chaleur, des serpentins de chauffe (1 a 5, 8), des tuyaux de raccordement, un dispositif de reglage et des raccords d'alimentation. On obtient ainsi une installation solaire tres bien isolee qui peut etre transportee par camion sur son site d'installation ou les raccords d'alimentation sont etablis, et qui fournit de l'eau chaude a partir de l'energie solaire pendant toute l'annee et sans pollution.

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IPC 8 full level  
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FR

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