

Title (en)
HIGH-YIELD THERMAL SOLAR PANEL

Title (de)
THERMISCHER SONNENKOLLEKTOR MIT HOHEM ERTRAG

Title (fr)
PANNEAU SOLAIRE THERMIQUE A RENDEMENT ELEVE

Publication
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Application
EP 11712628 A 20110223

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Abstract (en)
[origin: WO2011104479A1] The invention relates to a solar panel which includes a recess (20) for a thermal collection element (18), defined by walls (22, 24, 26), one of which comprises slots (28) for the passage of sun rays. At least one reflecting area is arranged opposite the thermal collection element (18). At least one reflecting strip (30) is arranged outside the recess (20), facing a respective slot (28) in such a manner that it focuses received sun rays on said slot (28). Elongate reflecting elements (32) are arranged side by side, and comprise coplanar planar bases (34) which together form the recess wall (26) provided with slots (28), and the planar base (34) of at least one elongate reflecting element (32) forming a reflecting area of said recess wall (26), and comprising concave surfaces (36) arranged opposite reflecting strips (30), in such a manner that the sun rays which are reflected by each concave surface (36) are focused on the corresponding reflecting strip (30).

IPC 8 full level
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