

Title (en)

SOLAR COLLECTOR HAVING A LINEARLY FOCUSING REFLECTOR SURFACE

Title (de)

SONNENKOLLEKTOR MIT EINER LINEAR KONZENTRIERENDEN REFLEKTORFLÄCHE

Title (fr)

CAPTEUR SOLAIRE AYANT UNE SURFACE RÉFLÉCHISSANTE À CONCENTRATION LINÉAIRE

Publication

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Application

EP 10710195 A 20100308

Priority

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Abstract (en)

[origin: WO2010102772A2] The invention relates to a collector module (3) having a gutter-like reflector surface (1) which, in cross-section, is composed of circular arcs (100), parabolic arcs (101), elliptical or hyperbolic arcs, the vertices (S) of which each lie on a common base line (11). Said reflector surface is designed, by means of single-axis tracking, to focus the rays of the sun shining in at different angles onto a receiver element (2) arranged coaxially or concentrically with respect to a focal line (f), and said reflector surface has a biaxial curvature and is in each case formed by a family (10) of identical arcs having alternate cut-offs (2p), the focal points (F) of which lie on a common focal line (f), wherein the distance of the base line (11) from the focal line (f) in a collector module (3) changes.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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