

Title (en)

STRUCTURE FOR SUPPORTING REFLECTIVE PANELS FOR CONCENTRATION SOLAR COLLECTORS

Title (de)

STRUKTUR ZUM STÜTZEN DER REFLEKTIERENDEN PANEELE FÜR KONZENTRIERENDE SONNENKOLLEKTOREN

Title (fr)

STRUCTURE DE SUPPORT DE PANNEAUX RÉFLÉCHISSANTS POUR CAPTEURS SOLAIRES DE CONCENTRATION

Publication

EP 3475627 A1 20190501 (EN)

Application

EP 17749517 A 20170623

Priority

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- IB 2017053757 W 20170623

Abstract (en)

[origin: WO2018002790A1] Described is a structure for supporting reflective panels for concentration solar collectors, comprising a central support (2) which is rotatable around a regulating axis (X) and at least one cross-member (3) extending between a first end (3a) and a second end (3b) and defining, on its front side, a concave receiving area which can be configured to mount a plurality of reflective panels (4), wherein the cross-member (3) is fixed to the central support (2) in such a way that the central support (2) is positioned in an intermediate portion of the cross-member (3) between the first (3a) and second end (3b), characterised in that the cross-member (3) comprises a lattice structure having at least one front tubular element (5) facing towards the receiving area and one rear tubular element (6) connected to the front tubular element (5) and facing towards a rear area opposite to the receiving area, the front (5) and rear (6) tubular elements being fixed respectively to a front portion and to a rear portion of the central support (2), the front tubular element (5) having a concave configuration for forming a concentration effect of the solar radiation. The plurality of reflective panels (4) is connected to the front tubular element (5) using adjustable threaded members (9). Each of the reflective panels (4) is associated with at least three adjustable threaded members (9), two of which are positioned at opposite ends of the panel (4) and the third in a central portion of the panel (4).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2018002790A1

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