

Title (en)
TRACKING SYSTEM FOR SOLAR COLLECTORS

Title (de)
NACHFÜHRUNGSVORRICHTUNG FÜR SONNENKOLLEKTOREN

Title (fr)
DISPOSITIF DE POURSUITE POUR CAPTEURS SOLAIRES

Publication
EP 2038589 A1 20090325 (DE)

Application
EP 07726180 A 20070629

Priority
• EP 2007005762 W 20070629
• IT BZ20060029 A 20060707

Abstract (en)
[origin: WO2008003431A1] Tracking system for solar collectors (P) consisting of a static frame on which a pivotable main frame with an axis (D) arranged parallel to the axis of the earth for the time-of-day tracking motion (Rd) is mounted, and on which the collector (P) or its frame is mounted with the axis (A) of the seasonal tracking motion (Ra) at an angle of 90° to the axis (D) of the time-of-day tracking motion (Rd), the seasonal tracking motion (Ra) being derived from the time-of-day tracking motion (Rd), wherein the transmission and conversion of the seasonal tracking motion (Rd), in relation to the static anchored structure (2, 2a, 2b, 2c / 12, 12a, 12b, 12c, 12d) of the system, take place via a threaded spindle mechanism (6) with screw-nuts (7a) which acts between the main frame (3a, 3b, 3c / 20, 20b, 20c), with mounting (2d, 2e / 15b), for the purpose of performing the time-of-day tracking motion (Rd), and the collector (P) or the collectors, the frame (Ra) of which is mounted in a pivotable manner on said main frame, wherein the threaded spindle (6) is mounted on the main frame and the drive of the threaded spindle / screw-nut mechanism (6, 7a) takes place via a tappet lever (10) which is mounted in a pivotable manner directly or indirectly on the static anchored structure (2, 2a, 2b, 2c / 12, 12a, 12b, 12c, 12d) and which, during the progress of the threaded spindle / screw-nut mechanism (6, 7a), acts in one direction, with the possibility of reversing the direction of action.

IPC 8 full level
F24J 2/54 (2006.01)

CPC (source: EP)
F24S 30/458 (2018.04); **F24S 2030/135** (2018.04); **F24S 2030/137** (2018.04); **Y02E 10/47** (2013.01)

Citation (search report)
See references of WO 2008003431A1

Cited by
CN113931982A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008003431 A1 20080110; EP 2038589 A1 20090325; IT BZ20060029 A1 20080108

DOCDB simple family (application)
EP 2007005762 W 20070629; EP 07726180 A 20070629; IT BZ20060029 A 20060707