

Title (en)
SUN REFLECTOR SYSTEM

Title (de)
SONNENREFLEKTORSYSTEM

Title (fr)
SYSTEME DE REFLECTEUR SOLAIRE

Publication
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Application
EP 00925486 A 20000425

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Abstract (en)
[origin: WO0066947A1] A reflective concave mirror (1) mounted on a support strut (2), together with a sensor unit (3) which receives light reflected from the mirror. Light from the sun (5) can be reflected onto the region (6) of a house (4) by the mirror (1), if the mirror is correctly positioned. The mirror is mounted for rotation about the vertical support strut (2) by means of a servo-motor. Another servo-motor (8) enables the mirror (1) to be rotated about a horizontal axis with respect to the post (2). The operation of the motors is controlled by the outputs from an array of light sensors on the unit (3). If the mirror is incorrectly positioned then some of the sensors will be shaded by baffles, thus resulting in the outputs from the sensors differing from one another. An electronic circuit can compare the sensor outputs and send signals to the motors to cause the mirror to be rotated in such a way that the reflected light falls equally on the four sensors.

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