

Title (en)

SUN-LIGHT-REDIRECTOR USEFUL IN DAY-LIGHTING, PHOTO-VOLTAICS AND SOLAR HEATING

Title (de)

FÜR TAGESBELEUCHTUNG, FOTOVOLTAIK UND SOLARHEIZUNG NÜTZLICHER SONNENLICHT-UMLENKER

Title (fr)

ECRAN SOLAIRE REDIRECTEUR DESTINE A DES APPLICATIONS D'ECLAIRAGE NATUREL, DE PHOTO-ELECTRICITE ET DE CHAUFFAGE SOLAIRE

Publication

EP 1828718 A1 20070905 (EN)

Application

EP 04821378 A 20041129

Priority

IN 2004000368 W 20041129

Abstract (en)

[origin: WO2006057005A1] An automatic sunlight redirector comprises of a device which redirects sunlight to a place of user's choice. This is a universal model and does not need data and microprocessor to track the sun at different latitudes, nor does it need any computer to calculate the angle of reflectance. This device works on principle of arranging incident sun-ray, target-line and the mirror-axis as sides of an isosceles triangle and is realized by the devices of sun-tracking director-bar, a slide fitted on this director-bar, and a groove on the mirror-axis pipe/bar (5) for free movement of the director-bar (10) which not only tracks the sun but continuously adjusts the position of the mirror such that the light is reflected on the fixed target. The declination-setter (8) and time-setter (15) track the daily changes in the declination of the sun and the length of the day respectively.

IPC 8 full level

G01C 21/02 (2006.01)

CPC (source: EP)

F24S 23/77 (2018.04); **F24S 30/455** (2018.04); **F24S 50/20** (2018.04); **Y02E 10/47** (2013.01)

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