

Title (en)  
Light carrier system for natural light

Title (de)  
Übertragungssystem für Tageslicht

Title (fr)  
Système de transmission pour la lumière naturelle

Publication  
**EP 1174658 B1 20060419 (EN)**

Application  
**EP 01202687 A 20010713**

Priority  
IT MI20001675 A 20000721

Abstract (en)  
[origin: EP1174658A2] A light carrier system for natural light provided with a sun light sensor (11), equipped with a Fresnel lens (12) consisting of a film and with linear concentration located outside the building housing the room to be lit, a transport duct (13) and a diffuser (14), where inside the unit composed of the transport duct (13) and the diffuser (14), an aluminium reflector curves from the transport duct to the base of the diffuser (14), touching the lower surface composed of an OLF (Optical Lighting Film) resting on a sheet of transparent polycarbonate representing the emission surface. The sun light sensor (11) is capable of following the course of the sun, actively, following the height on the horizon during the day to optimally take advantage of its capacities to receive light. <IMAGE>

IPC 8 full level  
**F21S 11/00** (2006.01); **F21S 8/00** (2006.01); **F21S 19/00** (2006.01)

CPC (source: EP)  
**F21S 11/00** (2013.01); **F21S 19/00** (2013.01)

Cited by  
CN110307514A; US8902505B2; WO2012079177A1; EP2416085A1

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