

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

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1174658 A2 20020123; EP 1174658 A3 20040616; EP 1174658 B1 20060419; AT E323865 T1 20060515; DE 60118845 D1 20060524; DE 60118845 T2 20061130; DK 1174658 T3 20060821; ES 2262600 T3 20061201; IT 1318222 B1 20030728; IT MI20001675 A0 20000721; IT MI20001675 A1 20020121; NO 20013553 D0 20010718; NO 20013553 L 20020122

DOCDB simple family (application)
EP 01202687 A 20010713; AT 01202687 T 20010713; DE 60118845 T 20010713; DK 01202687 T 20010713; ES 01202687 T 20010713; IT MI20001675 A 20000721; NO 20013553 A 20010718