

Title (en)

Glass element for space illumination with daylight

Title (de)

Glaselement zur Raumbelichtung mit Tageslicht

Title (fr)

Élément verrier pour l'éclairage de locaux par la lumière naturelle

Publication

EP 0878661 A3 20001004 (FR)

Application

EP 98401093 A 19980506

Priority

DE 29708518 U 19970514

Abstract (en)

[origin: EP0878661A2] A glass pane unit is used for enhanced daylight illumination of rooms. It comprises at least two transparent sheets (1, 2) enclosing parallel light-deflecting curved lamellae (3) each with a convexly-curved end (4), facing the incident light. A light-scattering surface structure is included. The light-scattering surface structure (7) is embossed on one of the transparent sheets (2). Preferably, the sheets are plane silicate glass or polymethylmethacrylate (PMMA) sheets, with the structuring on one side. A plastic sheet lining may provide the structuring on silicate glass. The structuring comprises ridges or grooves transverse to the lamellae. These are sinusoidal with specific amplitude and height. Three transparent sheets may be used, the surface pattern facing into a gas filled interspace.

IPC 1-7

F21S 11/00

IPC 8 full level

E06B 9/24 (2006.01); **F21S 11/00** (2006.01)

CPC (source: EP)

E06B 9/24 (2013.01); **F21S 11/00** (2013.01)

Citation (search report)

- [XP] DE 29708518 U1 19970717 - VER GLASWERKE GMBH [DE]
- [X] DE 29601308 U1 19960411 - FEDERMANN HELMUT DR [DE]
- [A] DE 8514467 U1 19860911
- [AD] DE 4442228 C1 19960425 - MUELLER HELMUT FRANK OTTOMAR P [DE]
- [A] DE 1772236 U 19580814 - SCHROEDER ERNST TH [DE]

Cited by

GB2402907A; GB2402907B

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0878661 A2 19981118; EP 0878661 A3 20001004; EP 0878661 B1 20060301; AT E319039 T1 20060315; DE 29708518 U1 19970717; DE 69833627 D1 20060427; DE 69833627 T2 20070329; ES 2258812 T3 20060901; PT 878661 E 20060630

DOCDB simple family (application)

EP 98401093 A 19980506; AT 98401093 T 19980506; DE 29708518 U 19970514; DE 69833627 T 19980506; ES 98401093 T 19980506; PT 98401093 T 19980506