

Title (en)

TRANSPARENT BUILDING ELEMENT WITH TRIANGULAR RIBS

Title (de)

LICHTDURCHLÄSSIGES BAUELEMENT MIT DREIECKFÖRMIGEN RIPPEN

Title (fr)

ELEMENT DE CONSTRUCTION TRANSPARENT

Publication

EP 1066445 A1 20010110 (DE)

Application

EP 99910100 A 19990203

Priority

- DE 9900291 W 19990203
- DE 29801803 U 19980203
- DE 29801804 U 19980203
- DE 29801805 U 19980203
- DE 29809176 U 19980520
- DE 29809177 U 19980520
- DE 29809174 U 19980520

Abstract (en)

[origin: WO9940290A1] A transparent building element, in particular made of glass, takes for example the shape of a glass pane (39, 40, 41) arranged on or in a closure element provided in or on a building, for example a door (32), a window (33) or an upper light inlet (42). In order to appropriately and economically deflect light, at least one outer or inner surface, in particular a main surface (6) of the transparent building element, has a ribbed structure composed of individual, parallel ribs (11) integrally formed with the building element (36) and having a triangular cross-section. At least one first group of these triangular side surfaces (12) formed on the ribs (11) is oriented in such a way that together they form a refraction or reflection surface for appropriately deflecting at least one partial range of the light (44) passing through the transparent building element.

IPC 1-7

E06B 9/24; **E04C 2/54**

IPC 8 full level

E04C 1/42 (2006.01); **E04C 2/54** (2006.01); **F21S 11/00** (2006.01)

CPC (source: EP)

E04C 1/42 (2013.01); **E04C 2/54** (2013.01); **F21S 11/00** (2013.01)

Citation (search report)

See references of WO 9940290A1

Cited by

KR20160033181A; DE102006058247A1; DE102005027737A1; DE102005027737B4; DE202022000573U1; DE102016111483A1

Designated contracting state (EPC)

AT BE CH DE ES FI FR GB IT LI NL

DOCDB simple family (publication)

WO 9940290 A1 19990812; AT E241079 T1 20030615; AU 2703499 A 19990823; EP 1066445 A1 20010110; EP 1066445 B1 20030521

DOCDB simple family (application)

DE 9900291 W 19990203; AT 99910100 T 19990203; AU 2703499 A 19990203; EP 99910100 A 19990203