

Title (en)

GLASS STRUCTURAL ELEMENT FOR CONSTRUCTING A PREFERABLY SELF-SUPPORTING WALL, ROOF OR CEILING SECTION OR ELEMENT

Title (de)

GLASBAUELEMENT ZUM BILDEN EINES VORZUGSWEISE SELBSTTRAGENDEN WAND-, DACH- ODER DECKENABSCHNITTS ODER -ELEMENTS

Title (fr)

ELEMENT EN VERRE POUR FORMER UNE SECTION OU UN ELEMENT POUR PAROI, TOIT OU COUVERTURE

Publication

EP 1058760 B1 20040114 (DE)

Application

EP 99916752 A 19990223

Priority

- DE 9900487 W 19990223
- DE 29803187 U 19980224
- DE 29809173 U 19980520

Abstract (en)

[origin: WO9942675A1] The aim of the invention is to provide an especially stable, non-shattering glass structural element which also withstands bending stresses well. Said glass structural element (3) is to be used for constructing a wall, roof or ceiling section of a building and consists of at least two sub-elements (31, 35) which are stuck together over a large area with an adhesive or a bonding agent (38). At least one first sub-element is configured as an especially L- or U-shaped glass sectional element (31). The preferred materials for the two sub-elements (31, 35) are clear or figured glass, rolled glass or reinforced glass such as wired glass or tempered safety glass. A roof or ceiling element constructed from glass structural elements of this type can be configured as self-supporting, can be fixed without the use of special frame or support elements and still meets the very strict safety requirements for the protection of the persons underneath.

IPC 1-7

E04C 2/54

IPC 8 full level

E04C 2/54 (2006.01)

CPC (source: EP US)

E04C 2/54 (2013.01 - EP US); **E04C 3/285** (2013.01 - EP US)

Cited by

CN104631614A; DE102022114036A1; WO2023232973A1; EP3266950A1; DE102016111483A1; DE102016112355A1

Designated contracting state (EPC)

AT BE CH DE ES FI FR GB IT LI NL

DOCDB simple family (publication)

WO 9942675 A1 19990826; AT E257884 T1 20040115; EP 1058760 A1 20001213; EP 1058760 B1 20040114; ES 2211070 T3 20040701; US 6546690 B1 20030415

DOCDB simple family (application)

DE 9900487 W 19990223; AT 99916752 T 19990223; EP 99916752 A 19990223; ES 99916752 T 19990223; US 62286600 A 20000912