

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

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Application

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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.

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 9942675A1

Cited by

CN104631614A; DE102022114036A1; WO2023232973A1; EP3266950A1; DE102016111483A1; DE102016112355A1

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