

Title (en)

Glazing element.

Title (de)

Verglasungselement.

Title (fr)

Élément de vitrage.

Publication

EP 0470374 B1 19931020 (DE)

Application

EP 91111270 A 19910706

Priority

CH 261290 A 19900810

Abstract (en)

[origin: US5237787A] The glazing element is provided with at least one tensioned insulation form (2) between two panes (1). Spring elements (3) secured to a tension profile (4) serve to place the film under tension. The spring elements are distributed over the entire film periphery. They are also elastically bendable in all directions transverse to their elongation, and are secured with their longitudinal direction essentially perpendicular to the film plane with one end at the film and the other end secured to the tension profile. In this manner, the spring elements can elastically follow relative shape alterations of the film with respect to the tension profile by bending transversely to their longitudinal direction. In this novel construction, tension forces are distributed in all directions in the insulation film. No friction forces need to be overcome in order to tension the film. The entire tension taken up by the film support is so small that it is possible simply to adhere the tension profile inwardly to the panes. Simple helical coils can be used as the spring elements.

IPC 1-7

E06B 3/66

IPC 8 full level

C03C 27/06 (2006.01); **E06B 3/66** (2006.01); **E06B 3/67** (2006.01)

CPC (source: EP US)

E06B 3/6715 (2013.01 - EP US)

Cited by

CN105507762A; AT510187A1; AT510187B1; AT510189B1; EP2412909A3; AT510188A1; AT510188B1; EP2412910A3; EP2412910A2; EP2415958A2; EP2412909A2

Designated contracting state (EPC)

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