

Title (en)

Process for the construction of glass wall panels and panel obtained with said process.

Title (de)

Paneele für Glasfassaden und ihr Herstellungsverfahren.

Title (fr)

Panneau vitré pour mur rideau et son procédé de fabrication.

Publication

EP 0404103 A1 19901227 (EN)

Application

EP 90111652 A 19900620

Priority

- IT 1915090 A 19900124
- IT 2093889 A 19890621

Abstract (en)

The glass wall panels comprise a support metal section (2) onto which is fixed by glueing a single-sheet pane (L), or a double-sheet pane with an intermediate insulating chamber. According to the invention, onto at least the front surface of the metal support section (2) - on which said pane (L) is subsequently fixed by means of a silicone adhesive (5) - there is applied, by melting, a superficial covering layer (P) consisting of a material apt to form a perfectly smooth adhesion surface (P'), as molten metal applied by plasma spray or vitreous enamel, said material (P) having a chemical affinity with the silicone adhesive (5). The invention also concerns a glass wall panel obtained with said process and glued either directly onto the frame of the glass wall support structure, or onto a rim frame apt to be mechanically anchored, in an interchangeable manner, onto said support structure frame.

IPC 1-7

E06B 3/54

IPC 8 full level

E06B 3/54 (2006.01); **E06B 3/56** (2006.01)

CPC (source: EP)

E06B 3/5427 (2013.01); **E06B 3/56** (2013.01); **E06B 3/6617** (2013.01)

Citation (search report)

- [Y] EP 0301462 A1 19890201 - POLYU ITALIANA [IT]
- [Y] WO 8703327 A1 19870604 - BAECHLI EMIL [CH]
- [A] DE 3633618 A1 19880204 - GARTNER & CO J [DE]
- [A] DE 3626194 A1 19880204 - SCHUERMANN & CO HEINZ [DE]
- [A] EP 0223132 A2 19870527 - ELTREVA AG [CH]
- [A] GB 2142357 A 19850116 - WALSH JOHN BRADLEY
- [A] EP 0280832 A1 19880907 - KOLLER METALLBAU AG [CH]

Cited by

EP0658662A1; NL9300377A; EP0623727A1; CH701577B1; EP0443900A3; AU2017243772B2; EP3436648A4; EP1683940A3; FR2671383A1; CN114114973A; EP1734217A3; GB2420128A; GB2420128B; NL9301624A; EP0651105A3; WO2008032177A2; US6442907B1; WO2017168298A1; WO2012121589A1; WO9942692A1; WO2011056161A3; WO9957404A1; WO2008032177A3

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0404103 A1 19901227; AU 5765990 A 19910110; CA 2019419 A1 19901221

DOCDB simple family (application)

EP 90111652 A 19900620; AU 5765990 A 19900620; CA 2019419 A 19900620