

Title (en)

Supporting and mechanical anchoring device for panels belonging to a structural array of window frames and/or structural walling systems.

Title (de)

Trag- und Verankerungsvorrichtung für Platten von Rahmenloser Verglasung oder Fassadenwand.

Title (fr)

Dispositif d'ancrage et de support de panneaux de vitrage structurel ou de mur rideau.

Publication

EP 0404151 A1 19901227 (EN)

Application

EP 90111760 A 19900621

Priority

IT 8495089 A 19890623

Abstract (en)

At least one edge (14) of each of said panels (15) is provided with at least one recess or cavity (13) suitable for housing, in operation, a first arm (12) belonging to a mechanical retaining element (11) of the external surface of said panels (15), said mechanical retaining element (11) cooperating with a fixed supporting structure internal to the building, wherein said mechanical retaining element (11) is provided with another arm (18) having an extension (19) insertable with a predetermined clearance into a slot (20) provided in a section (21) integral with said fixed supporting structure, said extension (19) being movable inside of said slot (20) about a predetermined distance and according to three, mutually perpendicular, directions, two of said directions being contained in a plane which is parallel to the major surface of said panel (15), the third direction being contained in a plane which is perpendicular to said major surface of said panel (15).

IPC 1-7

E06B 3/54

IPC 8 full level

E04F 13/08 (2006.01); **E06B 3/54** (2006.01)

CPC (source: EP)

E04F 13/081 (2013.01); **E06B 3/5427** (2013.01)

Citation (search report)

- [Y] DE 1659937 A1 19710128 - GOETZ KG METALLBAU
- [Y] DE 8621152 U1 19871203
- [A] EP 0311737 A2 19890419 - WARD BUILDING SYSTEMS LTD [GB]
- [A] US 3672107 A 19720627 - SANTRY GEORGE J, et al
- [A] FR 1340757 A 19631018 - MERKUR GMBH METALLWERK

Cited by

EP0603449A1; EP0628672A1; EP3179025B1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0404151 A1 19901227; **EP 0404151 B1 19921202**; AT E83034 T1 19921215; DE 69000524 D1 19930114; DE 69000524 T2 19930519; DK 0404151 T3 19930322; ES 2037507 T3 19930616; GR 3007190 T3 19930730; IT 1234654 B 19920526; IT 8984950 A0 19890623

DOCDB simple family (application)

EP 90111760 A 19900621; AT 90111760 T 19900621; DE 69000524 T 19900621; DK 90111760 T 19900621; ES 90111760 T 19900621; GR 930400435 T 19930302; IT 8495089 A 19890623