

Title (en)

Curtain wall system wherein a special connection system is used for plate materials such as glass, aluminium sheet, etc.

Title (de)

Vorhangwandsystem, in dem ein spezielles Verbindungssystem für Plattenmaterialien wie Glas, Aluminiumblech usw. verwendet wird

Title (fr)

Système de mur-rideau dans lequel un système de connexion spécial est utilisé pour les matériaux de plaques tels que le verre, les feuilles d'aluminium, etc.

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2444579A1] The present invention is a curtain wall system wherein aluminum profiles (1) with special geometric shapes are assembled all around plates, such as glass, aluminium, stone, etc, by using materials, such as silicone, acrylic tape or equivalent material, between or onto plates; the connecting parts (2), which are produced from aluminum profiles with special geometric section, can be installed heat insulated glass units or etc. mechanically, without screw and in non-skid way; the connection parts can remain fixed in the relevant position by itself without sliding and it can be adjusted in the desired position by applying force manually if required; the connection parts (2) can be fixed without rotation movement and screwed directly in the installation process of the heat-insulated glass units (11) or etc. , to the main load bearing structure (8) of the curtain wall; there is no need to screw the connection parts (2) to the main load bearing structure (8) of the curtain wall before installing of the heat-insulated glass units (11) or etc.; positive and negative loads which have an impact on the building are transferred the main load bearing structure over infilling element such as glass, etc., structural silicone, spacer profile and connecting part, respectively; the dead loads of the glass are transferred to the main load bearing structure via additional mechanical support members

IPC 8 full level

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CPC (source: EP)

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Cited by

EP4105430A1; EP2865837A1; CN113969634A; ITPD20130050A1; CN114250895A; US10443234B2; WO2021198468A1

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