

Title (en)

EARTHQUAKE RESISTANT CURTAIN WALLS WITH SUSPENDED GLAZED PANELS

Title (de)

ERDBEBENSICHERE VORHANGWÄNDE MIT AUFGEHÄNGTEN GLASSCHEIBEN

Title (fr)

MURS ÉCRANS RÉSISTANT AUX TREMBLEMENTS DE TERRE ET A PANNEAUX VITRÉS SUSPENDUS

Publication

EP 2047041 A1 20090415 (EN)

Application

EP 06820706 A 20061212

Priority

- GR 2006000067 W 20061212
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Abstract (en)

[origin: WO2008012589A1] This invention refers to curtain walls capable of resisting the seismic forces of major earthquakes without breakage of their glass panes and without deformation or distortion of their structure. The above can be achieved through the operational separation of the curtain wall of each storey from those of adjacent storeys, by formation of a sliding line on the top of the windows (2.3), through the mutual hooks of suspension of the windows (6.3, 6.10) so that the displacement of the one storey to be independent from the others. The structure of the curtain wall of each storey confined only to the fixed part of the curtain wall of the storey and consists of the uprights (3.1), the sill-beam (3.2), the lintel-beam (3.3) and the attachments (3.4). There are no uprights in the region of windows. The uprights of the structure of curtain wall of each storey at no case are touching the glass panels. The interstorey drifts (d) are in all directions absorbed by the suspension joints of the windows (7.5) and (7.6) and the angle profiles (10).

IPC 8 full level

E04B 1/98 (2006.01); **E04B 2/90** (2006.01); **E04B 2/96** (2006.01)

CPC (source: EP GR KR US)

E04B 1/98 (2013.01 - GR KR); **E04B 2/90** (2013.01 - GR KR); **E04B 2/96** (2013.01 - GR KR); **E06B 3/5427** (2013.01 - EP US)

Citation (search report)

See references of WO 2008012589A1

Citation (examination)

US 6269600 B1 20010807 - TAMBAKAKIS STEFANOS [GR]

Cited by

CN102979389A

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