

Title (en)

ANTI-SEISMIC CONNECTION JOINT HAVING A SLOTTED HOLE

Title (de)

ERDBEBENSICHERE ANSCHLUSSVERBINDUNG MIT GESCHLITZTER ÖFFNUNG

Title (fr)

RACCORD ANTISISMIQUE DOTÉ D'UN TROU OBLONG

Publication

EP 3394358 A1 20181031 (EN)

Application

EP 16831581 A 20161205

Priority

- IT UB20159737 A 20151221
- IB 2016057355 W 20161205

Abstract (en)

[origin: WO2017109616A1] A mechanical anti-seismic connection joint (100) comprises a female element (10) and a male element (20), fixable to the respective structural components (110,120). The female (10) and male elements (20) are joined by a pin (30) to form a connection hinge (40) between the structural components (110,120). The pin (30) is inserted in at least one slotted hole (33) provided on a support (14) of the female element (10). The mechanical joint (100) is arranged such that the hinge (40) is provided with a damping element constituted by the pin (30) inserted in the slotted hole (33) and translatable along a trajectory (T) defined controlled by the shape of the slotted hole (33). Advantageously, the mechanical joint (100) exploits the forces generated by the earthquake to reactivate the characteristics of stability already present in the building, but momentarily made unavailable by sussultatory type shocks.

IPC 8 full level

E04B 1/21 (2006.01); **E04H 9/02** (2006.01)

CPC (source: EP)

E04B 1/215 (2013.01)

Citation (search report)

See references of WO 2017109616A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017109616 A1 20170629; EP 3394358 A1 20181031; IT UB20159737 A1 20170621; MA 44152 A 20181031

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