

Title (en)  
ANTI-SEISMIC CONNECTION JOINT

Title (de)  
ERDBEBENSICHERE ANSCHLUSSVERBINDUNG

Title (fr)  
RACCORD ANTI-SISMIQUE

Publication  
**EP 3390747 A1 20181024 (EN)**

Application  
**EP 16831725 A 20161205**

Priority  
• IT UB20159414 A 20151216  
• IB 2016057356 W 20161205

Abstract (en)  
[origin: WO2017103729A1] An anti-seismic connection joint (100) comprises a female element (10) and a male element (20), fixable to the respective vertical and horizontal 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). In particular, the hinge (40) is provided with both a rubber damping element (50) and at least one sacrificial element (54) with a mechanical fuse restraint function. The hinge connection joint (100) combines, in a single anti-seismic device, "fuse" type (thanks to the presence of the sacrificial element) and "damping and dissipative" type functioning (thanks to the presence of the damping element) and is thus able to adequately withstand the seismic event for its entire duration.

IPC 8 full level  
**E04H 9/02** (2006.01); **F16F 1/38** (2006.01); **F16F 7/00** (2006.01); **F16F 7/04** (2006.01)

CPC (source: EP US)  
**E04H 9/021** (2013.01 - EP US); **F16F 1/38** (2013.01 - EP)

Citation (search report)  
See references of WO 2017103729A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2017103729 A1 20170622**; EP 3390747 A1 20181024; IT UB20159414 A1 20170616; MA 44073 A 20181024

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**IB 2016057356 W 20161205**; EP 16831725 A 20161205; IT UB20159414 A 20151216; MA 44073 A 20161205