

Title (en)

A CLASS OF BEARINGS TO PROTECT STRUCTURES FROM EARTHQUAKE AND OTHER SIMILAR HAZARDS

Title (de)

KLASSE VON AUFLAGERUNGEN ZUM SCHUTZ VON GEBÄUDEN VOR ERDBEBEN UND ANDEREN ÄHNLICHEN GEFAHREN

Title (fr)

CLASSE DE SUPPORTS POUR PROTÉGER DES STRUCTURES CONTRE DES TREMBLEMENTS DE TERRE OU D'AUTRES RISQUES SIMILAIRES

Publication

EP 2785922 A4 20150819 (EN)

Application

EP 12853643 A 20121102

Priority

- US 201161564870 P 20111130
- US 2012063127 W 20121102

Abstract (en)

[origin: WO2013081769A2] A class of bearings, each of them can be used as a connector to connect two parts in a structural system and as a supporter to transfer loads from one part to another, for examples, gravity of a superstructure to a substructure in a bridge or a building, or that of a machine to its foundation. While performing load transmission, it is able to reduce the transmission of transient vibrations between connected two structural parts and preserve the integrity of entire structural system; for examples, to protect a bridge's structural integrity when either an earthquake strikes its pier and foundation or a tsunami hits its superstructure or both occur simultaneously.

IPC 8 full level

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CPC (source: CN EP US)

E04H 9/021 (2013.01 - CN); **E04H 9/022** (2013.01 - CN EP US); **E02D 27/34** (2013.01 - EP); **E04H 9/0237** (2020.05 - EP)

Citation (search report)

- [XA] DE 4103028 A1 19920416 - BOGE AG [DE]
- See references of WO 2013081769A2

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