

Title (en)

A massive plates connecting system for seismic strengthening of buildings

Title (de)

Verbindungssystem massiver Platten zur Verstärkung von Gebäuden gegen Erdbeben

Title (fr)

Système de connexion de plaques massives pour le renfort sismique de bâtiments

Publication

EP 2679748 A2 20140101 (EN)

Application

EP 13173716 A 20130626

Priority

SI 201200218 A 20120626

Abstract (en)

The massive plates connecting system for seismic strengthening of buildings according to the invention solves the problem of a simple connection of the massive plates (2) on the outer and/or inner side of the walls (1) of an existing building and is made from flat steel ties (3), steel anchoring brackets (4) and steel angular brackets (5) positioned at the levels of individual floor structures (14) and/or foundation (6). Its main feature is a two-stage connection, which allows the distribution of forces along the complete perimeter of a building in the case of an earthquake. It is useful for all types of walls (1) regardless of the material and construction type.

IPC 8 full level

E04H 9/02 (2006.01)

CPC (source: EP)

E04G 23/0218 (2013.01); **E04H 9/027** (2013.01); **E04B 2001/2644** (2013.01); **E04B 2001/2684** (2013.01); **E04B 2001/2696** (2013.01)

Citation (applicant)

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- JP 2005126955 A 20050519 - NIPPON STEEL CORP, et al
- JP 2009249851 A 20091029 - FUJITA CORP

Cited by

CN103790424A; IT201700056983A1; IT202200006944A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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