

Title (en)
EARTHQUAKE-PROOFING REINFORCING METAL FITTING

Title (de)
METALLVERBINDUNG ZUR VERSTÄRKUNG DER ERDBEBENSICHERUNG

Title (fr)
RACCORD METALLIQUE DE RENFORCEMENT PARASISMIQUE

Publication
EP 1164226 A4 20030102 (EN)

Application
EP 00900926 A 20000125

Priority
JP 0000362 W 20000125

Abstract (en)
[origin: EP1164226A1] It is an object of the reinforcing holder against vibrations according to the present invention to be mounted on a joining part of architectural structural member such as foundations, columns, beams, and cross-beams or the like to reinforce them so that a wooden building is not broken down, even if strong vibrations are loaded thereupon by an earthquake, a typhoon or the like. The reinforcing holder against vibrations is for joining architectural structural members A and A disposed orthogonally, comprising a first reinforcing base member 1 which is formed of a plate of high tension steel bent by 90 DEG and secured to one architectural structural member A, and a second reinforcing base member 2 which is arranged symmetrically with the first reinforcing base member 1 through a hinge 4 and secured to another architectural structural member A, characterized in that the second reinforcing base member is so designed that the plate of high tension steel is bent by 90 DEG and absorbing members 3 having rubber elasticity are mounted at a plurality of locations thereof, being secured to another architectural structural member A with the absorbing members 3 interposed, and another architectural structural member A is joined to one architectural structural member A. <IMAGE>

IPC 1-7
E04B 1/26; **E04B 1/58**; **E04H 9/02**

IPC 8 full level
E04B 1/98 (2006.01); **E04B 1/26** (2006.01); **E04B 1/58** (2006.01); **E04H 9/02** (2006.01); **E04H 9/14** (2006.01)

CPC (source: EP US)
E04B 1/2604 (2013.01 - EP); **E04H 9/02** (2013.01 - EP US); **E04H 9/14** (2013.01 - EP); **E04B 2001/2616** (2013.01 - EP); **E04B 2001/2644** (2013.01 - EP); **E04B 2001/2652** (2013.01 - EP)

Citation (search report)

- [X] KR 19990078979 A 19991105
- [Y] US 5938369 A 19990817 - PETERS DONALD E [US]
- [A] DE 29503222 U1 19950413 - NADEL UND DRAHTWARENFABRIK ERN [DE]
- [A] FR 1399663 A 19650521 - PROCOSI S A R L
- [Y] JP 3028231 U 19960830
- See references of WO 0155521A1

Cited by
CN102251586A; WO03069083A1

Designated contracting state (EPC)
CH GB IT LI SE

DOCDB simple family (publication)
EP 1164226 A1 20011219; **EP 1164226 A4 20030102**; AU 3078800 A 20010807; CA 2365614 A1 20010802; WO 0155521 A1 20010802

DOCDB simple family (application)
EP 00900926 A 20000125; AU 3078800 A 20000125; CA 2365614 A 20000125; JP 0000362 W 20000125