

Title (en)
EARTHQUAKE-PROOFING REINFORCING METAL FITTING

Title (de)
METALLBEWEHRUNG ZUR ERDBEBENSICHERUNG

Title (fr)
PIECE METALLIQUE DE RENFORT PARASISMIQUE

Publication
EP 1170429 A4 20030102 (EN)

Application
EP 00900925 A 20000125

Priority
JP 0000361 W 20000125

Abstract (en)
[origin: EP1170429A1] The present invention provides a reinforcing holder against vibrations mounted on the joining parts of structural members such as foundations, columns, beams and cross-beams to reinforce them so that a wooden building may not be broken down even if strong vibrations caused by an earthquake, a typhoon or the like are loaded thereupon. The reinforcing holder against vibrations comprises a reinforcing base member 1 having fixing pieces 11 and 11 formed by twisting and bending both end parts of a plate formed of high tension steel in one direction, and a bent and swelled part 13 or a curved and swelled part 14 formed in the intermediate part thereof, and absorbing members 2 having rubber elasticity. The reinforcing base member 1 is fixed to structural members A via the absorbing members 2. <IMAGE>

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

IPC 8 full level
E04B 1/26 (2006.01); **E04B 1/38** (2006.01); **E04B 1/58** (2006.01); **E04B 1/98** (2006.01); **E04H 9/02** (2006.01); **E04H 9/14** (2006.01)

CPC (source: EP US)
E04B 1/2604 (2013.01 - EP); **E04H 9/0237** (2020.05 - EP US); **E04H 9/14** (2013.01 - EP); **E04B 2001/2644** (2013.01 - EP)

Citation (search report)

- [X] KR 19990078978 A 19991105
- [Y] US 4022537 A 19770510 - GILB TYRELL T, et al
- [Y] JP 3028231 U 19960830
- See references of WO 0155520A1

Cited by
DE102012020851A1; DE102007051285A1; EP1361311A1; EP2725155A1

Designated contracting state (EPC)
CH GB IT LI SE

DOCDB simple family (publication)
EP 1170429 A1 20020109; **EP 1170429 A4 20030102**; AU 3078700 A 20010807; CA 2365613 A1 20010802; NZ 514035 A 20010928; WO 0155520 A1 20010802

DOCDB simple family (application)
EP 00900925 A 20000125; AU 3078700 A 20000125; CA 2365613 A 20000125; JP 0000361 W 20000125; NZ 51403500 A 20000125