

Title (en)
Cu-Al-Mn-BASED BAR MATERIAL AND PLATE MATERIAL DEMONSTRATING STABLE SUPERELASTICITY, METHOD FOR MANUFACTURING SAID BAR MATERIAL AND PLATE MATERIAL, SEISMIC CONTROL MEMBER IN WHICH SAID BAR MATERIAL AND PLATE MATERIAL ARE USED, AND SEISMIC CONTROL STRUCTURE IN WHICH SEISMIC CONTROL MEMBER IS USED

Title (de)
CU-AL-MN-BASIERTES STANGENMATERIAL UND PLATTENMATERIAL MIT STABILER SUPERELASTIZITÄT, VERFAHREN ZUR HERSTELLUNG DES STANGENMATERIALS UND PLATTENMATERIALS, SEISMISCHES STEUERTEIL MIT DEM STANGENMATERIAL UND PLATTENMATERIAL UND SEISMISCHE STEUERUNGSSTRUKTUR MIT DEM SEISMISCHEN STEUERTEIL

Title (fr)
MATÉRIAU DE BARRE ET MATÉRIAU DE PLAQUE À BASE DE Cu-Al-Mn PRÉSENTANT UNE SUPERÉLASTICITÉ STABLE, PROCÉDÉ DE FABRICATION DESDITS MATÉRIAU DE BARRE ET MATÉRIAU DE PLAQUE, ÉLÉMENT DE CONTRÔLE SISMIQUE DANS LEQUEL LESDITS MATÉRIAU DE BARRE ET MATÉRIAU DE PLAQUE SONT UTILISÉS, ET STRUCTURE DE CONTRÔLE SISMIQUE DANS LAQUELLE LEDIT ÉLÉMENT DE CONTRÔLE SISMIQUE EST UTILISÉ

Publication
EP 2995694 A1 20160316 (EN)

Application
EP 14794166 A 20140414

Priority
• JP 2013099996 A 20130510
• JP 2014060586 W 20140414

Abstract (en)
A Cu-Al-Mn-based alloy rod having superelastic characteristics and having a recrystallized microstructure substantially formed of a ² single phase, wherein, for a longitudinal direction cross section of the rod, a region, in which a grain size of each of grains is a radius of the rod or more, is 90% or more of the longitudinal direction cross section at any location of the rod, and wherein an average grain size of the grains, in which the grain size is the radius of the rod or more, is 80% or more of a diameter of the rod; a Cu-Al-Mn-based alloy sheet; a production method thereof; a vibration damping material using thereof; a vibration damping structure constructed by using the vibration damping material.

IPC 8 full level
C22C 9/01 (2006.01); **C22C 9/05** (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP US)
B22D 21/025 (2013.01 - US); **C22C 9/01** (2013.01 - EP US); **C22C 9/05** (2013.01 - EP US); **C22F 1/00** (2013.01 - EP US); **C22F 1/006** (2013.01 - EP US); **C22F 1/08** (2013.01 - EP US)

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)
EP 2995694 A1 20160316; **EP 2995694 A4 20170517**; CN 105164289 A 20151216; JP 2014218717 A 20141120; JP 5912094 B2 20160427; US 2016060740 A1 20160303; WO 2014181642 A1 20141113

DOCDB simple family (application)
EP 14794166 A 20140414; CN 201480024828 A 20140414; JP 2013099996 A 20130510; JP 2014060586 W 20140414; US 201514937512 A 20151110