

Title (en)
COPPER ALLOY FOR ELECTRONIC AND ELECTRICAL EQUIPMENT, COPPER ALLOY PLATE STRIP FOR ELECTRONIC AND ELECTRICAL EQUIPMENT, COMPONENT FOR ELECTRONIC AND ELECTRICAL EQUIPMENT, TERMINAL, BUSBAR, AND MOVABLE PIECE FOR RELAYS

Title (de)
KUPFERLEGIERUNG FÜR ELEKTRONISCHE/ELEKTRISCHE VORRICHTUNGEN, KUPFERLEGIERUNGSBAND FÜR ELEKTRONISCHE UND ELEKTRISCHE VORRICHTUNGEN, KOMPONENTE FÜR ELEKTRONISCHE UND ELEKTRISCHE VORRICHTUNG, ENDGERÄT, SAMMELSCHIENE UND BEWEGLICHES TEIL FÜR RELAIS

Title (fr)
ALLIAGE DE CUIVRE POUR ÉQUIPEMENT ÉLECTRONIQUE ET ÉLECTRIQUE, BANDE PLATE EN ALLIAGE DE CUIVRE POUR ÉQUIPEMENT ÉLECTRONIQUE ET ÉLECTRIQUE, COMPOSANT POUR ÉQUIPEMENT ÉLECTRONIQUE ET ÉLECTRIQUE, TERMINAL, BARRE OMNIBUS ET PIÈCE MOBILE POUR RELAIS

Publication
EP 3438298 A1 20190206 (EN)

Application
EP 17775233 A 20170329

Priority

- JP 2016069080 A 20160330
- JP 2017063418 A 20170328
- JP 2017012914 W 20170329

Abstract (en)
Provided is a copper alloy for electronic and electrical equipment including: 0.15 mass% or greater and less than 0.35 mass% of Mg; 0.0005 mass % or greater and less than 0.01 mass% of P; and a remainder which is formed of Cu and unavoidable impurities, in which a conductivity is greater than 75% IACS, and an average number of compounds containing Mg and P with a particle diameter of 0.1 μm or greater is 0.5 pieces/μm² or less in observation using a scanning electron microscope.

IPC 8 full level
C22C 9/00 (2006.01); **C22F 1/00** (2006.01); **C22F 1/08** (2006.01); **H01B 1/02** (2006.01); **H01B 5/02** (2006.01); **H01H 50/14** (2006.01); **H01H 50/56** (2006.01); **H01R 4/58** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP KR US)
C22C 9/00 (2013.01 - EP KR US); **C22C 9/02** (2013.01 - US); **C22F 1/002** (2013.01 - EP US); **C22F 1/08** (2013.01 - EP KR US); **H01B 1/02** (2013.01 - KR); **H01B 1/026** (2013.01 - EP US); **H01B 5/02** (2013.01 - KR); **H01H 50/14** (2013.01 - KR); **H01H 50/56** (2013.01 - KR); **H01R 4/58** (2013.01 - KR); **H01R 13/03** (2013.01 - KR)

Cited by
EP4074848A4; US11920228B2

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 3438298 A1 20190206; **EP 3438298 A4 20191211**; **EP 3438298 B1 20210317**; CN 108431257 A 20180821; CN 108431257 B 20200728; JP 2017186664 A 20171012; JP 6226098 B2 20171108; KR 102296652 B1 20210831; KR 20180125449 A 20181123; MX 2018011658 A 20181219; TW 201738394 A 20171101; TW I703225 B 20200901

DOCDB simple family (application)
EP 17775233 A 20170329; CN 201780005558 A 20170329; JP 2017063418 A 20170328; KR 20187021014 A 20170329; MX 2018011658 A 20170329; TW 106110851 A 20170330