

Title (en)

COPPER ALLOY, COPPER ALLOY THIN SHEET AND COPPER ALLOY MANUFACTURING METHOD

Title (de)

KUPFERLEGIERUNG, FEINBLECH AUS KUPFERLEGIERUNG UND VERFAHREN ZUR HERSTELLUNG EINER KUPFERLEGIERUNG

Title (fr)

ALLIAGE DE CUIVRE, FEUILLE MINCE EN ALLIAGE DE CUIVRE ET PROCÉDÉ DE FABRICATION D'ALLIAGE DE CUIVRE

Publication

EP 3031937 A4 20170705 (EN)

Application

EP 14834900 A 20140808

Priority

- JP 2013167045 A 20130809
- JP 2014116287 A 20140604
- JP 2014070981 W 20140808

Abstract (en)

[origin: EP3031937A1] Provided is a copper alloy containing 1.5 to 2.7% by mass of Fe, 0.008 to 0.15% by mass of P, and 0.01 to 0.5% by mass of Zn, the balance being Cu and inevitable impurities. The amount of C contained as one of the inevitable impurities is less than 3 ppm by mass.

IPC 8 full level

C22C 9/00 (2006.01); **B22D 11/00** (2006.01); **B22D 21/02** (2006.01); **C22F 1/08** (2006.01)

CPC (source: EP)

B22D 11/004 (2013.01); **B22D 21/025** (2013.01); **C22C 9/00** (2013.01); **C22F 1/08** (2013.01)

Citation (search report)

- [X] EP 0995808 A1 20000426 - MITSUBISHI SHINDOH CORP [JP], et al
- [X] JP 2002294364 A 20021009 - KOBE STEEL LTD
- [A] JP 2001158927 A 20010612 - HITACHI CABLE
- [A] JP 2010126783 A 20100610 - NIPPON MINING CO
- [A] JP 2000144284 A 20000526 - KOBE STEEL LTD
- See references of WO 2015020187A1

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

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EP 3031937 A1 20160615; **EP 3031937 A4 20170705**; CN 105452500 A 20160330; CN 105452500 B 20170815; JP 2015057511 A 20150326; JP 5866410 B2 20160217; KR 102213955 B1 20210209; KR 20160041914 A 20160418; TW 201522670 A 20150616; TW I522483 B 20160221; WO 2015020187 A1 20150212

DOCDB simple family (application)

EP 14834900 A 20140808; CN 201480044186 A 20140808; JP 2014070981 W 20140808; JP 2014116287 A 20140604; KR 20167003211 A 20140808; TW 103127249 A 20140808