

Title (en)  
COPPER ALLOY SHEET MATERIAL

Title (de)  
KUPFERLEGIERUNGSFOLIE

Title (fr)  
FEUILLE D'ALLIAGE DE CUIVRE

Publication  
**EP 2508632 A1 20121010 (EN)**

Application  
**EP 10834574 A 20101201**

Priority  
• JP 2009274893 A 20091202  
• JP 2010071494 W 20101201

Abstract (en)  
{Problems} To provide a Corson-based copper alloy sheet material which satisfies characteristics required of terminals and connectors, such as mechanical strength and bending property. {Means to solve} A copper alloy sheet material for electrical or electronic parts, which is composed of a copper alloy composition containing, in terms of mass%, any one or both of Ni or Co in an amount of 0.8 to 5%, and Si in an amount of 0.2 to 1.5%, with the balance being Cu and inevitable impurities, wherein an area ratio of grains having a deviation angle of less than 15° from the Cube orientation is controlled to less than 10%, and an area ratio of grains having a deviation angle of 15° to 30° from the Cube orientation is controlled to 15% or greater, and wherein the copper alloy sheet material has excellent mechanical strength and bending property.

IPC 8 full level  
**C22F 1/08** (2006.01); **H01B 1/02** (2006.01)

CPC (source: EP KR)  
**C22C 9/00** (2013.01 - KR); **C22C 9/06** (2013.01 - KR); **C22F 1/08** (2013.01 - EP KR); **H01B 1/02** (2013.01 - KR); **H01B 1/026** (2013.01 - EP)

Cited by  
US10358697B2; US10294554B2

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

DOCDB simple family (publication)  
**EP 2508632 A1 20121010**; **EP 2508632 A4 20131218**; **EP 2508632 B1 20150520**; CN 102639732 A 20120815; CN 102639732 B 20170804; JP 4934759 B2 20120516; JP WO2011068124 A1 20130418; KR 101419149 B1 20140711; KR 20120104548 A 20120921; WO 2011068124 A1 20110609

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