

Title (en)

ALUMINUM ALLOY SHEET FOR CONNECTING COMPONENTS AND MANUFACTURING PROCESS THEREFOR

Title (de)

ALUMINIUMLEGIERUNGSBLECH ZUM VERBINDEN VON BAUTEILEN SOWIE HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

FEUILLE D'ALLIAGE D'ALUMINIUM POUR COMPOSANTS DE CONNEXION ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 2813592 A1 20141217 (EN)**

Application

**EP 13746696 A 20130205**

Priority

- JP 2012026972 A 20120210
- JP 2012277037 A 20121219
- JP 2012277036 A 20121219
- JP 2013052630 W 20130205

Abstract (en)

The present invention addresses the problem of providing an aluminum alloy sheet for connecting components which exhibits excellent creep resistance and bending workability while keeping excellent conductivity and a manufacturing process therefor. This aluminum alloy sheet is characterized by: consisting of an aluminum alloy that contains 0.3 to 1.5 mass % of Si and 0.3 to 1.0 mass % of Mg with the balance being Al and inevitable impurities; exhibiting an electrical conductivity of 45.0 % IACS or higher; and exhibiting a Cube orientation density of 15 or more on the surface of the sheet as determined by orientation distribution function analysis.

IPC 8 full level

**C22C 21/02** (2006.01); **C22C 21/06** (2006.01); **C22F 1/00** (2006.01); **C22F 1/05** (2006.01); **H01B 5/02** (2006.01); **H01B 13/00** (2006.01)

CPC (source: EP)

**C22C 21/02** (2013.01); **C22C 21/06** (2013.01); **C22F 1/00** (2013.01); **C22F 1/05** (2013.01); **H01B 1/023** (2013.01); **H01B 13/00** (2013.01)

Cited by

GB2552399A; US10475547B2; US11692255B2; US11821065B2; WO2018080710A1; US10913107B2; US11590565B2; US11806779B2

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 2813592 A1 20141217**; **EP 2813592 A4 20151014**; **EP 2813592 B1 20160921**; CN 104093868 A 20141008; KR 101600224 B1 20160304; KR 20140111022 A 20140917; WO 2013118734 A1 20130815

DOCDB simple family (application)

**EP 13746696 A 20130205**; CN 201380008239 A 20130205; JP 2013052630 W 20130205; KR 20147022028 A 20130205