

Title (en)

MALLEABLE, HIGH MECHANICAL STRENGTH ALUMINUM ALLOY WHICH CAN BE ANODIZED IN A DECORATIVE MANNER, METHOD FOR PRODUCING THE SAME AND ALUMINUM PRODUCT BASED ON SAID ALLOY

Title (de)

DEKORATIV ANODISIERBARE, GUT VERFORMBARE, MECHANISCH HOCH BELASTBARE ALUMINIUMLEGIERUNG, VERFAHREN ZU DEREN HERSTELLUNG UND ALUMINIUMPRODUKT AUS DIESER LEGIERUNG

Title (fr)

ALLIAGE D'ALUMINIUM A HAUTE SOLLECITATION MECANIQUE, A BONNE DEFORMABILITE, ANODISABLE A DES FINS DECORATIVES, PROCEDE DE PRODUCTION CORRESPONDANT ET PRODUIT EN ALUMINIUM A BASE DUDIT ALLIAGE

Publication

EP 1749112 B1 20090701 (DE)

Application

EP 05759604 A 20050430

Priority

- EP 2005004721 W 20050430
- DE 102004022817 A 20040508

Abstract (en)

[origin: WO2005108633A2] The invention relates to a malleable, high mechanical strength aluminum alloy of the AlMgSi type which can be anodized in a decorative manner, to a semifinished product produced from said alloy, in the shape of strips, sheets or extruded profiles, and to a structural component produced from the above semifinished products, especially a reshaped component that has been anodized in a decorative manner. The invention also relates to a method for producing an aluminum alloy component of the above type. Said aluminum alloy has good malleability, achieved by weight percentages of strontium in the alloy and defined weight ratios of silicon to magnesium and iron to strontium.

IPC 8 full level

C22C 21/04 (2006.01); **C22C 21/02** (2006.01); **C22C 21/08** (2006.01); **C22F 1/05** (2006.01); **C25D 11/04** (2006.01)

CPC (source: EP KR US)

C22C 21/02 (2013.01 - EP US); **C22C 21/04** (2013.01 - EP KR US); **C22C 21/08** (2013.01 - EP KR US); **C22F 1/05** (2013.01 - EP KR US); **C25D 11/04** (2013.01 - EP US); **Y10T 428/12667** (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005108633 A2 20051117; **WO 2005108633 A3 20060223**; AT E435310 T1 20090715; CA 2563515 A1 20051117; CA 2563515 C 20100622; CN 100500905 C 20090617; CN 1950526 A 20070418; DE 102004022817 A1 20051201; DE 502005007622 D1 20090813; EP 1749112 A2 20070207; EP 1749112 B1 20090701; JP 2007536433 A 20071213; JP 4761275 B2 20110831; KR 100903249 B1 20090617; KR 20070010197 A 20070122; NO 20065655 L 20070201; RU 2006143448 A 20080620; RU 2355801 C2 20090520; US 2008318081 A1 20081225

DOCDB simple family (application)

EP 2005004721 W 20050430; AT 05759604 T 20050430; CA 2563515 A 20050430; CN 200580014682 A 20050430; DE 102004022817 A 20040508; DE 502005007622 T 20050430; EP 05759604 A 20050430; JP 2007513725 A 20050430; KR 20067025814 A 20061207; NO 20065655 A 20061207; RU 2006143448 A 20050430; US 57952005 A 20050430