

Title (en)

SHEET MADE OF HIGH-TOUGHNESS ALUMINIUM ALLOY CONTAINING COPPER AND LITHIUM FOR AN AIRCRAFT FUSELAGE

Title (de)

BLECH AUS EINER HOCHFESTEN ALUMINIUMLEGIERUNG MIT KUPFER UND LITHIUM FÜR EINEN FLUGZEUGRUMPF

Title (fr)

TOLE EN ALUMINIUM-CUIVRE-LITHIUM A HAUTE TENACITE POUR FUSELAGE D'AVION

Publication

EP 1966402 B1 20090318 (FR)

Application

EP 06841937 A 20061214

Priority

- FR 2006002733 W 20061214
- FR 0512931 A 20051220

Abstract (en)

[origin: FR2894985A1] An aluminum alloy contains (by wt.%): (A) 2.1 to 2.8 of copper; (B) 1.1 to 1.7 of lithium; (C) 0.1 to 0.8 of silver; (D) 0.2 to 0.6 of magnesium; (E) 0.2 to 0.6 of manganese; (F) a quantity of iron and silicon = to 0.1; (G) inevitable impurities of = 0.05 each and 0.15 in total; (H) the alloy is essential exempt of zirconium, this being less than 0.04. Independent claims are also included for: (1) a rolled, extruded or forged product of this alloy; (2) the fabrication of a sheet of this alloy; (3) the rolled sheet thus obtained; (4) an aircraft fuselage panel incorporating the sheet; (5) a structural element for aeronautical construction.

IPC 8 full level

C22C 21/12 (2006.01)

CPC (source: EP)

C22C 21/12 (2013.01); **C22C 21/16** (2013.01); **C22F 1/057** (2013.01)

Cited by

FR3104172A1; FR3082210A1; WO2021111069A1; WO2019234326A1; FR3014448A1; CN114746566A; WO2011141647A2; WO2014162069A1; WO2015082779A3; WO2014167191A1; US10400313B2; WO2019122639A1; US11732333B2; WO2016051099A1; WO2015082779A2; US10836464B2; WO2013054013A1; WO2023144492A1; FR3132306A1

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DOCDB simple family (application)

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