

Title (en)

AL-CU-MG ALLOY SUITABLE FOR AEROSPACE APPLICATION

Title (de)

AL-CU-MG- LEGIERUNG FÜR LUFTFAHRTANWENDUNG

Title (fr)

ALLIAGES A BASE D'ALUMINIUM, DE CUIVRE ET DE MAGNESIUM (AL CU MG) POUR LES APPLICATIONS AEROSPATIALES

Publication

**EP 1945825 A1 20080723 (EN)**

Application

**EP 06818278 A 20061024**

Priority

- EP 2006010216 W 20061024
- EP 05077448 A 20051025
- EP 06818278 A 20061024

Abstract (en)

[origin: WO2007048565A1] An aluminium alloy wrought product having high strength and high fracture toughness and high resistance to intergranular corrosion, the alloy including in weight %: Cu 4.1 - 5.5%; Mg 0.30 - 1.6%; Mn 0.15 - 0.8%; Ti 0.03 - 0.4%; Cr 0.05 - 0.4%; Ag < 0.7%; Zr < 0.2%; Fe < 0.20%, preferably < 0.15%, more preferably < 0.1 %; Si < 0.20%, preferably < 0.15%, more preferably < 0.1 %; and the balance being aluminium and other impurities or incidental elements each < 0.05%, total < 0.15%.

IPC 8 full level

**C22C 21/16** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP)

**C22C 21/16** (2013.01)

Citation (search report)

See references of WO 2007048565A1

Cited by

WO2020200869A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007048565 A1 20070503**; BR PI0617699 A2 20110802; CA 2627070 A1 20070503; CA 2627070 C 20140729; CN 101297054 A 20081029; EP 1945825 A1 20080723; EP 1945825 B1 20140625; RU 2008115928 A 20091027; RU 2418876 C2 20110520

DOCDB simple family (application)

**EP 2006010216 W 20061024**; BR PI0617699 A 20061024; CA 2627070 A 20061024; CN 200680039531 A 20061024; EP 06818278 A 20061024; RU 2008115928 A 20061024