

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 B1 20140625 (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)

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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

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