

Title (en)

ALUMINUM ALLOY HAVING EXCELLENT HIGH-TEMPERATURE CHARACTERISTICS

Title (de)

ALUMINIUMLEGIERUNG MIT HERVORRAGENDEN HOCHTEMPERATUREIGENSCHAFTEN

Title (fr)

ALLIAGE D'ALUMINIUM AYANT D'EXCELLENTE CARACTÉRISTIQUES À HAUTE TEMPÉRATURE

Publication

EP 2719784 A1 20140416 (EN)

Application

EP 12796774 A 20120514

Priority

- JP 2011130719 A 20110610
- JP 2012085178 A 20120404
- JP 2012062266 W 20120514

Abstract (en)

An Al alloy having excellent high-temperature characteristics (heat resistance, high temperature fatigue strength, creep resistance under high temperatures, and high temperature yield strength) comprises more than 0.1 mass% and up to 1.0 mass% of Si, 3.0-7.0 mass% of Cu, 0.05-1.5 mass% of Mn, 0.01-2.0 mass% of Mg, 0.01-0.10 mass% of Ti, and 0.05-1.0 mass% of Ag, Zr being restricted to less than 0.1 mass%, and the remainder consisting of Al and unavoidable impurities.

IPC 8 full level

C22C 21/12 (2006.01); **C22C 21/16** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP KR)

C22C 21/12 (2013.01 - EP KR); **C22C 21/14** (2013.01 - KR); **C22C 21/16** (2013.01 - EP KR); **C22F 1/057** (2013.01 - EP)

Cited by

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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

DOCDB simple family (publication)

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