Title (en)

ALUMINUM ALLOYS

Title (de)

ALUMINIUMLEGIERUNGEN

Title (fr)

ALLIAGES D'ALUMINIUM

Publication

EP 2714954 A2 20140409 (EN)

Application

EP 12789530 A 20120521

Priority

- US 201161488713 P 20110521
- US 2012038796 W 20120521

Abstract (en)

[origin: US2012291926A1] The disclosure relates to an alloy comprising, by weight, about 5.8% to about 6.8% zinc, about 2.5% to about 3.0% magnesium, about 1.5% to about 2.3% copper, 0% to about 0.2% scandium, 0% to about 0.2% zirconium, and optionally less than about 0.50% silver, the balance essentially aluminum and incidental elements and impurities. In embodiments, the alloy has a stress-corrosion cracking threshold stress of at least about 240 MPa using an ASTM G47 short-transverse test specimen and a yield strength of at least about 510 MPa using an ASTM E8 longitudinal test specimen.

IPC 8 full level

C22C 21/10 (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP US)

C22C 21/10 (2013.01 - EP US); **C22F 1/053** (2013.01 - EP US)

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)

US 2012291926 A1 20121122; CA 2836261 A1 20121129; EP 2714954 A2 20140409; EP 2714954 A4 20150819; WO 2012162226 A2 20121129; WO 2012162226 A3 20140508

DOCDB simple family (application)

US 201213476308 A 20120521; CA 2836261 A 20120521; EP 12789530 A 20120521; US 2012038796 W 20120521