

Title (en)
Aluminum-lithium alloys.

Title (de)
Aluminium-Lithium-Legierungen.

Title (fr)
Alliages aluminium-lithium.

Publication
EP 0325937 B1 19940309 (EN)

Application
EP 89100355 A 19890110

Priority
• US 14980288 A 19880128
• US 17250688 A 19880324

Abstract (en)
[origin: EP0325937A1] Disclosed is an aluminum base alloy suitable for forming into a wrought product having improved combinations of strength, corrosion resistance and fracture toughness. The alloy is comprised of 0.2 to 5.0 wt.% Li, 0.05 to 6.0 wt.% Mg, at least 2.45 wt.% Cu, 0.01 to 0.16 wt.% Zr, 0.05 to 12 wt.% Zn, 0.5 wt.% max. Fe, 0.5 wt.% max. Si, the balance aluminum and incidental impurities.

IPC 1-7
C22C 21/00; **C22C 21/12**; **C22F 1/04**; **C22F 1/057**

IPC 8 full level
C22C 21/00 (2006.01); **C22C 21/12** (2006.01); **C22F 1/00** (2006.01); **C22F 1/04** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP)
C22C 21/00 (2013.01); **C22C 21/12** (2013.01); **C22F 1/04** (2013.01); **C22F 1/057** (2013.01)

Cited by
WO9111540A1; EP0517884A4; CN104152753A; EP0512056A1; US2017292180A1; EP0584271A4; EP1170394A3; DE4123560B4;
CN111500901A; CN106893897A; CN110484792A; GB2291431A; GB2291431B; US5820708A; US5455003A; GB2262744A; GB2262744B;
CN104164597A; CN108754358A; US6562154B1; US10724127B2; WO9504837A1; WO9424329A1; WO2018144568A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0325937 A1 19890802; **EP 0325937 B1 19940309**; CA 1338007 C 19960130; DE 4123560 A1 19930121; DE 4123560 B4 20060309;
DE 68913561 D1 19940414; DE 68913561 T2 19941020; JP 3101280 B2 20001023; JP H01242750 A 19890927

DOCDB simple family (application)
EP 89100355 A 19890110; CA 587864 A 19890110; DE 4123560 A 19910716; DE 68913561 T 19890110; JP 1936489 A 19890127