

Title (en)
Aluminum-lithium alloys.

Title (de)
Aluminium-Lithium-Legierungen.

Title (fr)
Alliages aluminium-lithium.

Publication
EP 0325937 A1 19890802 (EN)

Application
EP 89100355 A 19890110

Priority
• US 14980288 A 19880128
• US 17250688 A 19880324

Abstract (en)
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)

Citation (search report)
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• [A] ACTA METALLURGICA, vol. 33, no. 3, 1985, pages 527-537, Pergamon Press Ltd, GB; P.J.GREGSON et al.: "Microstructural control of toughness in aluminium-lithium alloys"
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EP 89100355 A 19890110; CA 587864 A 19890110; DE 4123560 A 19910716; DE 68913561 T 19890110; JP 1936489 A 19890127