

Title (en)
Aluminum-lithium alloy.

Title (de)
Aluminium-Lithiumlegierung.

Title (fr)
Alliage aluminium-lithium.

Publication
EP 0214381 A1 19870318 (EN)

Application
EP 86108331 A 19860619

Priority
US 78854185 A 19850820

Abstract (en)
An aluminium-lithium alloy exhibiting good fracture toughness and relatively high strength, having a composition of 2.0 to 2.4% Li, 0.3 to 0.9% Mg, 2.1 to 2.9% Cu, 0.08 to 0.15% Zr, up to 0.15% Fe, up to 0.12% Si, up to 0.25% Zn, up to 0.15% Ti, up to 0.1% Cr, balance Al. A preferred composition has 2.2% Li, 0.6% Mg, 2.5% Cu, 0.12% Zr, balance Al.

IPC 1-7
C22C 21/00; C22C 21/12; C22C 21/16; C22F 1/04; C22F 1/057

IPC 8 full level
C22C 21/12 (2006.01)

CPC (source: EP)
C22C 21/12 (2013.01)

Citation (search report)

- [XP] EP 0156995 A1 19851009 - BOEING CO [US]
- [XP] EP 0158571 A1 19851016 - CEGEDUR [FR]
- [A] ALUMINUM-LITHIUM ALLOYS II, Proceedings of the second International Aluminum-Lithium Conference, Monterey, California, 12th-14th April 1983, pages 255-285, The Metallurgical Society of AIME; R.J. KAR et al.: "Correlation of microstructures, aging treatments and properties of Al-Li-Cu-Mg-Zr I/M and P/M alloys"

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EP0325937A1; EP0227563B1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
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