

Title (en)

IMPROVED ALUMINUM-MAGNESIUM-LITHIUM ALLOYS, AND METHODS FOR PRODUCING THE SAME

Title (de)

VERBESSERTE ALUMINIUM-MAGNESIUM-LITHIUM-LEGIERUNGEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

ALLIAGES ALUMINIUM-MAGNÉSIUM-LITHIUM AMÉLIORÉS, ET PROCÉDÉS POUR PRODUIRE CEUX-CI

Publication

EP 2971213 A4 20161214 (EN)

Application

EP 14775660 A 20140311

Priority

- US 201313828571 A 20130314
- US 2014023032 W 20140311

Abstract (en)

[origin: WO2014159324A1] New aluminum-magnesium-lithium alloys, and methods for producing the same are disclosed. The alloys generally contain 2.0 - 3.9 wt. % Mg, 0.1 - 1.8 wt. % Li, up to 1.5 wt. % Cu, up to 2.0 wt. % Zn, up to 1.0 wt. % Ag, up to 1.5 wt. % Mn, up to 0.5 wt. % Si, up to 0.35 wt. % Fe, 0.05 to 0.50 wt. % of a grain structure control element, up to 0.10 wt. % Ti, and up to 0.10 wt. % of any other element, with the total of these other elements not exceeding 0.35 wt. %, the balance being aluminum.

IPC 8 full level

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CPC (source: EP RU US)

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Citation (search report)

- [XA] GB 2146353 A 19850417 - SUMITOMO LIGHT METAL IND
- [XA] GB 1572587 A 19800730 - ALUSUISSE
- [A] US 6113711 A 20000905 - ARMANIE KEVIN P [US], et al
- [A] EP 0273600 A2 19880706 - COMALCO ALU [AU]
- [A] EP 0266741 A1 19880511 - ALUMINUM CO OF AMERICA [US]
- See also references of WO 2014159324A1

Designated contracting state (EPC)

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DOCDB simple family (application)

US 2014023032 W 20140311; CA 2901879 A 20140311; CN 201480014854 A 20140311; EP 14775660 A 20140311; IL 24066515 A 20150818; RU 2015143481 A 20140311; US 201313828571 A 20130314