

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 A1 20160120 (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

**C22F 1/04** (2006.01); **C22C 21/00** (2006.01); **C22C 21/08** (2006.01); **C22C 21/10** (2006.01); **C22F 1/047** (2006.01); **C22F 1/053** (2006.01)

CPC (source: EP RU US)

**C22C 21/06** (2013.01 - EP RU US); **C22F 1/04** (2013.01 - EP US); **C22F 1/047** (2013.01 - EP RU 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014159324 A1 20141002**; CA 2901879 A1 20141002; CA 2901879 C 20210608; CN 105143492 A 20151209; CN 105143492 B 20190409; EP 2971213 A1 20160120; EP 2971213 A4 20161214; EP 2971213 B1 20190116; IL 240665 A0 20151029; RU 2015143481 A 20170426; RU 2015143481 A3 20180306; RU 2665655 C2 20180903; US 2015376740 A1 20151231

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