

Title (en)

Method of improving fracture toughness in aluminium-lithium alloys

Title (de)

Verfahren zur Erhöhung der Bruchzähigkeit in Aluminium-Lithium-Legierungen

Title (fr)

Procédé servant à améliorer la ténacité d'alliages d'aluminium et de lithium

Publication

**EP 1359232 B1 20061129 (EN)**

Application

**EP 03015053 A 19980130**

Priority

- EP 98903777 A 19980130
- US 3632997 P 19970131

Abstract (en)

[origin: EP1359232A2] An aluminum-lithium alloy is processed with controlled amounts of copper, lithium, manganese and zirconium to produce a product having improved fracture toughness in the short longitudinal (S-L) direction and acceptable strength in the short transverse (ST) direction.

IPC 8 full level

**C22C 21/00** (2006.01); **C22C 21/12** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP)

**C22C 21/12** (2013.01); **C22F 1/057** (2013.01)

Cited by

FR2925523A1; US10724127B2; WO2018144568A1; WO2009103899A1; US8323426B2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9833947 A1 19980806**; AT E250675 T1 20031015; AT E346963 T1 20061215; DE 69818448 D1 20031030; DE 69818448 T2 20040729; DE 69836569 D1 20070111; DE 69836569 T2 20080103; DE 69836569 T3 20140731; EP 0981653 A1 20000301; EP 0981653 A4 20000517; EP 0981653 B1 20030924; EP 1359232 A2 20031105; EP 1359232 A3 20040102; EP 1359232 B1 20061129; EP 1359232 B2 20140312; EP 1359232 B9 20140910; ES 2278093 T3 20070801; ES 2278093 T5 20140716

DOCDB simple family (application)

**US 9801584 W 19980130**; AT 03015053 T 19980130; AT 98903777 T 19980130; DE 69818448 T 19980130; DE 69836569 T 19980130; EP 03015053 A 19980130; EP 98903777 A 19980130; ES 03015053 T 19980130