

Title (en)

METHOD OF IMPROVING FRACTURE TOUGHNESS IN ALUMINUM-LITHIUM ALLOYS

Title (de)

VERFAHREN ZUR ERHÖHUNG DER BRUCHZÄHIGKEIT IN ALUMINIUM-LITHIUM-LEGIERUNGEN

Title (fr)

PROCEDE SERVANT A AMELIORER LA TENACITE D'ALLIAGES D'ALUMINIUM ET DE LITHIUM

Publication

EP 0981653 A4 20000517 (EN)

Application

EP 98903777 A 19980130

Priority

- US 9801584 W 19980130
- US 3632997 P 19970131

Abstract (en)

[origin: WO9833947A1] 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 1-7

C22C 21/00; **C22C 21/12**; **C22F 1/057**

IPC 8 full level

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

CPC (source: EP)

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

Citation (search report)

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- [A] US 5462712 A 19951031 - LANGAN TIMOTHY J [US], et al
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- See references of WO 9833947A1

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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

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