

Title (en)
RAPID SOLIDIFICATION ROUTE ALUMINIUM ALLOYS CONTAINING LITHIUM

Publication
EP 0327556 B1 19920304 (EN)

Application
EP 87906835 A 19871019

Priority
GB 8625189 A 19861021

Abstract (en)
[origin: GB2196646A] A rapid solidification rate (RSR) route aluminium alloy contains lithium and a dispersoid forming ingredient selected from niobium, molybdenum, hafnium, tantalum and tungsten. These dispersoid forming ingredients resist coarsening in the matrix at solution treatment and ageing temperatures. The dispersoid forming ingredient is preferably present in 0.2 to 5.0 percent by weight.

IPC 1-7
C22C 21/00

IPC 8 full level
C22C 21/00 (2006.01); **C22C 45/08** (2006.01)

CPC (source: EP)
C22C 45/08 (2013.01)

Citation (examination)

- Chemical Abstracts, vol. 100, no. 24, 11 June 1984, (Columbus, Ohio, US), E.S. Balmuth: "Particle size determination in an AL-3 Li alloy using DSC", see page 272, abstract 196289b, & Scr. Metall. 1984, 18(4), 301-4
- 4th International Aluminium Lithium Conference, ed. Les Editions de Physique, colloque C3, supplement no. 9, volume 48, septembre 1987, R.C.A. Pratt et al.: "Effect of dispersoid-forming additions on the response to heat treatment of splat-quenched Al-Li-X alloys", pages 341-346 ; see page 343, conclusions and page 345, table 2
- Metals & Materials, (Jan. 1987), page 15-20

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
GB 2196646 A 19880505; GB 8625189 D0 19861126; AT E73173 T1 19920315; AU 601236 B2 19900906; AU 8079287 A 19880525; CA 1325900 C 19940111; DE 3777195 D1 19920409; EP 0327556 A1 19890816; EP 0327556 B1 19920304; GB 2227496 A 19900801; GB 2227496 B 19910424; GB 8908665 D0 19890614; JP 2768676 B2 19980625; JP H02500754 A 19900315; WO 8803178 A1 19880505

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