

Title (en)

LARGE LATTICE PARAMETER METAL ALLOY

Publication

**EP 0296073 B1 19910306 (FR)**

Application

**EP 88420181 A 19880602**

Priority

FR 8708304 A 19870605

Abstract (en)

[origin: US4865665A] The invention concerns a metal alloy with large lattice spacings (>than 1 nm), and consisting essentially of, by weight: at least one element selected from a group A consisting of Al, Zn and Cu, total group A elements being 44-92%; at least one element selected from a group B consisting of Ag, Ga and Au, total group B elements being 0-46%, with % group A+group B=88-92%, and <IMAGE> a group C element which is Li in an amount of 7.2-12%; at least one element selected from a group D consisting of Mg, K, Na, and Ca, total group D elements being 0-12%, with % group C+% group D=8-12%, <IMAGE> and % group A+% group B+% group C+% group D=100%; said alloy additionally comprising elemental impurities in an amount of less than 1% each and less than 5% total, based on the total weight of the alloy.

IPC 1-7

**C22C 21/10**

IPC 8 full level

**C22C 21/00** (2006.01); **C22C 21/10** (2006.01); **G01J 3/12** (2006.01)

IPC 8 main group level

**C22C** (2006.01)

CPC (source: EP US)

**C22C 21/10** (2013.01 - EP US)

Cited by

US5085830A

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0296073 A1 19881221**; **EP 0296073 B1 19910306**; AT E61418 T1 19910315; DE 3861921 D1 19910411; DK 299488 A 19881206; DK 299488 D0 19880602; ES 2021459 B3 19911101; FI 882614 A0 19880602; FI 882614 A 19881206; FR 2616158 A1 19881209; FR 2616158 B1 19901019; IS 1451 B6 19910116; IS 3354 A7 19881206; JP S63312944 A 19881221; NO 168659 B 19911209; NO 168659 C 19920318; NO 882433 D0 19880602; NO 882433 L 19881206; PT 87650 A 19880701; PT 87650 B 19920930; US 4865665 A 19890912

DOCDB simple family (application)

**EP 88420181 A 19880602**; AT 88420181 T 19880602; DE 3861921 T 19880602; DK 299488 A 19880602; ES 88420181 T 19880602; FI 882614 A 19880602; FR 8708304 A 19870605; IS 3354 A 19880602; JP 13538488 A 19880601; NO 882433 A 19880602; PT 8765088 A 19880603; US 20089588 A 19880601