

Title (en)
AL-CU-LI-MG ALLOYS WITH A VERY HIGH SPECIFIC MECHANICAL RESISTANCE

Publication
EP 0158571 B1 19870930 (FR)

Application
EP 85420043 A 19850313

Priority
FR 8404483 A 19840315

Abstract (en)
[origin: ES8602959A1] Aluminium alloy with very high specific mechanical strength comprises by wt. 2.4-3.5% Cu, 1.9-2.7% Li, 0-0.8% Mg, below 0.20% Fe, below 0.10% Si, 0-1% Mn, 0-0.30% Cr, 0-0.20% Zr, 0-0.10% Ti, 0-0.02% Be, others (impurities) each less than 0.05% and total less than 0.15%, balance Al.
[origin: ES8602959A1] Aluminium alloy with very high specific mechanical strength comprises by wt. 2.4-3.5% Cu, 1.9-2.7% Li, 0-0.8% Mg, below 0.20% Fe, below 0.10% Si, 0-1% Mn, 0-0.30% Cr, 0-0.20% Zr, 0-0.10% Ti, 0-0.02% Be, others (impurities) each less than 0.05% and total less than 0.15%, balance Al.

IPC 1-7
C22C 21/12; **C22F 1/04**

IPC 8 full level
C22C 21/12 (2006.01); **C22F 1/00** (2006.01); **C22F 1/04** (2006.01); **C22F 1/057** (2006.01)

CPC (source: EP US)
C22C 21/12 (2013.01 - EP US); **C22F 1/04** (2013.01 - EP US)

Citation (examination)
METAL SCIENCE JOURNAL 1972, vol.6, p.167, B.NOBLE et al.: "T1 (Al₂CuLi) Precipitation in Aluminium -Copper-Lithium-Alloys"

Cited by
US5076859A; EP0325937A1; US5211910A; FR2610949A1; US5512241A; US4812178A; EP0247181A4; EP0571542A4; EP0266741A1; EP0282421A3; EP0214381A1; US5462712A; US5259897A; US5133931A; EP0394155A1; FR2646172A1; US5198045A; EP0250656A1; EP0273837A1; FR2607521A1; WO9002211A1

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EP 85420043 A 19850313; BR 8501144 A 19850314; CA 476314 A 19850312; DE 3560729 T 19850313; ES 541151 A 19850311; FR 8404483 A 19840315; IL 7460485 A 19850314; JP 10537588 A 19880427; JP 5024185 A 19850313; US 15804888 A 19880216