

Title (en)

Precipitation hardening copper alloys.

Title (de)

Durch Präzipitation härtbare Kupferlegierungen.

Title (fr)

Alliages à base de cuivre, durcissables par précipitation.

Publication

**EP 0018818 A1 19801112 (EN)**

Application

**EP 80301407 A 19800429**

Priority

US 3429179 A 19790430

Abstract (en)

A precipitation and dispersion hardening copper alloy which combines useful properties of high tensile and yield strength, proportional limit, modulus of elasticity, ductility and formability, corrosion resistance, high fatigue resistance and electrical conductivity comprises 2 to 9% nickel, 0.05 to 2% each of silicon, chromium and aluminum, the balance being copper and impurities.

IPC 1-7

**C22C 9/06**

IPC 8 full level

**C22C 9/00** (2006.01); **C22C 9/06** (2006.01)

CPC (source: EP)

**C22C 9/06** (2013.01)

Citation (search report)

- GB 1408343 A 19751001 - GNI I PI SPLAVOV I, et al
- GB 1422215 A 19760121 - GNI I PI SPALAVOV I OBRABOTKI
- DE 1558474 A1 19700319 - DIES DR ING KURT
- US 2851353 A 19580909 - ROACH DONALD B, et al
- GB 1161610 A 19690813 - LANGLEY ALLOYS LTD

Cited by

EP0436364A1; CN103261460A; CN101984108A; EP0552479A1; US7182823B2; US8257515B2; US8430979B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0018818 A1 19801112**; AU 521823 B2 19820429; AU 5793080 A 19801106; DK 186080 A 19801031; GB 2051127 A 19810114; GB 2051127 B 19830126; IE 49710 B1 19851127; IE 800880 L 19801030; JP S55158246 A 19801209; JP S633938 B2 19880126; NO 154019 B 19860324; NO 154019 C 19860702; NO 801272 L 19801031; ZA 802595 B 19810429

DOCDB simple family (application)

**EP 80301407 A 19800429**; AU 5793080 A 19800430; DK 186080 A 19800429; GB 8014065 A 19800429; IE 88080 A 19800430; JP 5775180 A 19800430; NO 801272 A 19800430; ZA 802595 A 19800430