

Title (en)

MIGRATION-RESISTANT COPPER ALLOY FOR TERMINAL AND CONNECTOR USES HAVING EXCELLENT SPRING CHARACTERISTICS, STRENGTH AND CONDUCTIVITY

Publication

**EP 0440548 A3 19931208 (EN)**

Application

**EP 91400200 A 19910129**

Priority

JP 1971990 A 19900130

Abstract (en)

[origin: EP0440548A2] Disclosed herein is a migration-resistant copper alloy for terminal and connector uses having excellent spring characteristics, strength and conductivity which contains 0.4 to 4.0% by weight of Ni, 0.1 to 1.0% by weight of Si, 1.0% (exclusive) to 5.0% (inclusive) by weight of Zn, 0.05 to 0.5% by weight of Mg, 0.1 to 0.5% by weight of Sn, and 0.001% (inclusive) to 0.01% (exclusive) by weight of at least one of Cr, Ti and Zr, the balance being Cu and unavoidable impurities. The copper alloy is excellent in softening resistance, migration resistance, stress relaxation properties, corrosion resistance, etc. as well as spring characteristics, strength and conductivity, and is suitable for terminals and connectors.

IPC 1-7

**H01R 13/03; H01B 1/02; C22C 9/06**

IPC 8 full level

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CPC (source: EP)

**C22C 9/06** (2013.01); **H01B 1/026** (2013.01); **H01R 13/03** (2013.01)

Citation (search report)

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