

Title (en)

Migration-resistant copper alloy for terminal and connector uses having excellent spring characteristics, strength and conductivity.

Title (de)

Migrationsresistente Kupferlegierung mit hervorragenden Federeigenschaften, Festigkeit und Leitfähigkeit zur Anwendung bei Steckverbindern.

Title (fr)

Alliage de cuivre résistant à la migration ayant d'excellentes propriétés de ressort, de robustesse et de conductivité à utiliser pour terminaux et connecteurs.

Publication

EP 0440548 A2 19910807 (EN)

Application

EP 91400200 A 19910129

Priority

JP 1971990 A 19900130

Abstract (en)

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

IPC 8 full level

C22C 9/06 (2006.01); **H01B 1/02** (2006.01); **H01R 13/03** (2006.01)

CPC (source: EP)

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

Cited by

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Designated contracting state (EPC)

FR GB NL

DOCDB simple family (publication)

EP 0440548 A2 19910807; **EP 0440548 A3 19931208**; JP 2977845 B2 19991115; JP H03226536 A 19911007

DOCDB simple family (application)

EP 91400200 A 19910129; JP 1971990 A 19900130