

Title (en)

SILVER SOLDER OR BRAZING ALLOYS AND THEIR USE

Title (de)

SILBERHARTLÖT- ODER -WEICHÖTLEGIERUNGEN UND IHRE VERWENDUNG

Title (fr)

ALLIAGES DE BRASAGE TENDRE A L'ARGENT OU DE BRASAGE FORT, ET LEUR UTILISATION

Publication

EP 1713613 A1 20061025 (EN)

Application

EP 04819277 A 20041118

Priority

- GB 2004050027 W 20041118
- GB 0326927 A 20031119

Abstract (en)

[origin: GB2408269A] A silver solder of the Ag-Cu-Zn family comprises at least 55 % by weight silver and 0.5-3 % by weight germanium. The alloy preferably comprises (by weight): 55-77 % Ag, 10-30 % Cu, 8-15 % Zn and 0.5-3 % Ge. Optionally this alloy may also comprise 0.05-0.4 % Si and/or 1-3 % Sn and/or 1 ppm - 0.3 % B. The alloy, which may be in the form of rod, strip, wire or paste, may be used to solder Sterling silver joints.

IPC 8 full level

B23K 35/30 (2006.01); **C22C 5/06** (2006.01)

CPC (source: EP GB US)

B23K 35/3006 (2013.01 - EP GB US); **C22C 5/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2005051593A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

GB 0326927 D0 20031224; **GB 2408269 A 20050525**; **GB 2408269 B 20060222**; AU 2004292495 A1 20050609; CA 2544861 A1 20050609; CN 1882409 A 20061220; EA 200600981 A1 20061027; EP 1713613 A1 20061025; US 2007144624 A1 20070628; WO 2005051593 A1 20050609

DOCDB simple family (application)

GB 0326927 A 20031119; AU 2004292495 A 20041118; CA 2544861 A 20041118; CN 200480034227 A 20041118; EA 200600981 A 20041118; EP 04819277 A 20041118; GB 2004050027 W 20041118; US 57986704 A 20041118