



(43) International Publication Date
27 February 2014 (27.02.2014)

(10) International Publication Number
WO 2014/029798 A2

(51) International Patent Classification:
C22C 9/06 (2006.01)

(21) International Application Number:
PCT/EP2013/067365

(22) International Filing Date:
21 August 2013 (21.08.2013)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1438/12 22 August 2012 (22.08.2012) CH

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report (Rule 48.2(g))

(54) Title: MACHINABLE COPPER ALLOYS FOR ELECTRICAL CONNECTORS

(57) Abstract: The present disclosure concerns a machinable precipitation hardenable copper alloy comprising between 1 and 4.1 wt.% of Ni; between 0.3 and 3.0 wt.% of Si; between 0.4 and 4.0 wt.% of Pb; no more than 0.5 wt.% of Sn; no more than 0.5 wt. % of Cr; no more than 0.5 wt.% of Zn; no more than 0.5 wt. % of Zr; no more than 0.1 wt.% of Fe; no more than 0.3 wt.% of P; and unavoidable impurities; the remainder being constituted essentially of Cu. The present disclosure further concerns a production method for obtaining a semi-finished copper alloy product comprising the copper alloy. Said copper alloy product can be used for manufacturing electrical connectors such as sockets and pins.



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