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(54) Title: MACHINABLE COPPER ALLOY COMPRISNG LEAD 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.

