

Title (en)

METHOD OF PRODUCING DISPERSION-HARDENED COPPER BY MECHANICAL ALLOYING

Title (de)

VERFAHREN ZUM HERSTELLEN VON DISPERSIONSGEHÄRTETEM KUPFER DURCH MECHANISCHES LEGIEREN

Title (fr)

PROCEDE DE FABRICATION DE CUIVRE A DURCISSEMENT PAR PHASE DISPERSEE, PAR ALLIAGE MECANIQUE

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Application

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Abstract (en)

[origin: DE19532629C1] The invention concerns the production of dispersion-hardened copper by a mechanical alloying method in which copper powder and a thermodynamically stable ceramic powder are ground in a ball grinder in an atmosphere of air. In order, using a method of this kind, to obtain relatively inexpensively dispersion-hardened copper with a comparatively high electrical conductivity, the invention calls for the ball grinder (1) to use balls (7) made of copper which have been pretreated by grinding in a ceramic powder.

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