

Title (en)

METHOD OF PRODUCING A PRODUCT FROM A SILVER-BASED CONTACT MATERIAL, CONTACT MATERIAL AND PRODUCT PRODUCED THEREFROM

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES ERZEUGNISSES AUS EINEM KONTAKTWERKSTOFF AUF SILBERBASIS, KONTAKTWERKSTOFF SOWIE ERZEUGNIS AUS DEM KONTAKTWERKSTOFF

Title (fr)

PROCEDE DE FABRICATION D'UN PRODUIT A PARTIR D'UN MATERIAU DE CONTACT A BASE D'ARGENT, MATERIAU DE CONTACT ET PRODUIT OBTENU A PARTIR DUDIT MATERIAU DE CONTACT

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Application

EP 97935481 A 19970724

Priority

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Abstract (en)

[origin: WO9806119A1] The invention concerns a method of producing a product from a silver-based contact material. According to this method, first, a powder mixture of silver and iron is formed in which the iron is used in the form of a powder having a mean grain size of more than 1 μ m. This mixture is then further processed in a powder-metallurgical manner to form the product, the iron being oxidized to form iron-oxide. This method produces a silver- and iron-oxide contact material whose iron-oxide particles have a larger mean grain size than the prior art contact materials. A contact material of this type displays high ductility although its good switching properties remain unchanged. It is suitable in particular for use as a contact part in the form of a rivet for a power engineering switching device.

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