

Title (en)

SILVER-BASED CONTACT MATERIAL FOR USE IN POWER-ENGINEERING SWITCHGEAR, AND A METHOD OF MANUFACTURING CONTACTS MADE OF THIS MATERIAL.

Title (de)

KONTAKTWERKSTOFF AUF SILBERBASIS ZUR VERWENDUNG IN SCHALTGERÄTEN DER ENERGIETECHNIK SOWIE VERFAHREN ZUR HERSTELLUNG VON KONTAKTSTÜCKEN AUS DIESEM WERKSTOFF.

Title (fr)

MATERIAU DE CONTACT A BASE D'ARGENT POUR L'UTILISATION DANS DES APPAREILS DE COMMUTATION EN TECHNOLOGIE DES COURANTS FORTS, AINSI QUE PROCEDE POUR LA FABRICATION DE PIECES DE CONTACT EN CE MATERIAU.

Publication

EP 0586411 B1 19950719 (DE)

Application

EP 92909684 A 19920513

Priority

- DE 9200384 W 19920513
- DE 4117312 A 19910527

Abstract (en)

[origin: WO9222079A1] The material used for contacts in low-voltage switches, in particular, consists of silver and other active components. The invention calls for a combination of iron (Fe) present in a proportion between 1 and 50 % by wt. and rhenium (Re) in a proportion between 0.01 and 5 % by wt. The material can be produced and the contacts fabricated using powder-metallurgy methods, together with moulding or extrusion techniques, the active components being used in the form of separate powders, as a fusible alloy or as a mechanically alloyed powder.

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H01H 1/02

IPC 8 full level

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CPC (source: EP US)

H01H 1/023 (2013.01 - EP US)

Cited by

US5841044A; DE19543208C1; US5808213A; DE19543223C1; US5728194A; DE19543222C1; DE19602812C1; US6001149A; DE19608490C1; EP0774523A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 9222079 A1 19921210; AT E125389 T1 19950815; BR 9206059 A 19941220; DE 4117312 A1 19921203; DE 59202973 D1 19950824; DK 0586411 T3 19951204; EP 0586411 A1 19940316; EP 0586411 B1 19950719; ES 2074363 T3 19950901; JP 3280967 B2 20020513; JP H06507446 A 19940825; US 5422065 A 19950606

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