

Title (en)

Silver-oxide based electric contact material.

Title (de)

Auf Silberoxid basierendes elektrisches Kontaktmaterial.

Title (fr)

Matériau de contact électrique à base d'oxyde d'argent.

Publication

EP 0508055 A1 19921014 (EN)

Application

EP 92101915 A 19920205

Priority

- CA 2080201 A 19921008
- JP 12202491 A 19910412
- JP 27679091 A 19910927

Abstract (en)

A silver-oxide based material for electric contacts, which has excellent deposition resistance and consumption resistance. The material is formed by subjecting to an internal oxidation treatment an Ag based alloy consisting essentially of: Sn: 4 - 11%; In: 1 - 5%; Te: 0.05 - 4%; and Ag and inevitable impurities: the balance. If required, at least one of the following elements may be added: (a) at least one element selected from the group consisting of Fe, Ni, and Co: 0.01 - 1%; and (b) Cd: 0.05 - 3%.

IPC 1-7

C22C 32/00; **H01H 1/02**

IPC 8 full level

C22C 1/10 (2006.01); **C22C 32/00** (2006.01); **H01H 1/0237** (2006.01)

CPC (source: EP KR)

C22C 1/1078 (2013.01 - EP); **C22C 32/00** (2013.01 - KR); **C22C 32/0021** (2013.01 - EP); **H01H 1/02** (2013.01 - KR); **H01H 1/02376** (2013.01 - EP)

Citation (search report)

- [A] EP 0252492 A2 19880113 - FUJI ELECTRIC CO LTD [JP], et al
- [A] EP 0388259 A1 19900919 - LOUYOT COMPTOIR LYON ALEMAND [FR]
- [A] FR 1342227 A 19631108 - COMP GENERALE ELECTRICITE
- [A] US 3933485 A 19760120 - SHIBATA AKIRA
- [A] ELECTRICAL CONTACTS-1989, PROCEEDINGS OF THE 35TH MEETION OF THE IEEE HOLM CONFERENCE ON ELECTRICAL CONTACTS 20 September 1989, CHICAGO, US pages 69 - 78; LAMBERT ET AL: 'A NEW DOPED SILVER TIN OXIDE MATERIAL WITH IMPROVED ELECTRICAL BEHAVIOUR'

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