

Title (en)

Internally oxidised Ag-Sn-In alloy electrical contact materials and manufacturing method thereof.

Title (de)

Intern oxidierte Ag-Sn-In elektrische Kontaktwerkstofflegierungen und deren Herstellungsverfahren.

Title (fr)

Matériaux de contact électrique à alliage de Ag-Sn-In internement oxydés et procédé de leur fabrication.

Publication

EP 0508746 A1 19921014 (EN)

Application

EP 92303107 A 19920408

Priority

JP 16408991 A 19910409

Abstract (en)

Electrical contact materials are made of internally oxidized Ag-Sn Solid-Solution type alloys of 5-20 weight % Sn, added by a trace amount of more than 0.1 weight % to less than 1 weight % of In. Such addition of In is effective to have Sn oxides precipitated not too finely in said Ag-Sn alloys, whereby their electrical characteristics, especially electrical contact resistances thereof are improved, and subsequently their temperature rising is held low.

IPC 1-7

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

IPC 8 full level

C22C 1/10 (2006.01); **C22C 5/06** (2006.01); **C22C 32/00** (2006.01); **H01H 1/023** (2006.01); **H01H 1/0237** (2006.01); **H01H 11/04** (2006.01)

CPC (source: EP KR)

C22C 1/1078 (2013.01 - KR); **C22C 5/06** (2013.01 - KR); **C22C 32/0021** (2013.01 - EP KR); **H01H 1/02376** (2013.01 - EP KR)

Citation (search report)

- [Y] FR 2395582 A1 19790119 - CHUGAI ELECTRIC IND CO LTD [JP]
- [Y] DE 2908923 A1 19791004 - CHUGAI ELECTRIC IND CO LTD
- [A] FR 2394880 A1 19790112 - CHUGAI ELECTRIC IND CO LTD [JP]
- [A] EP 0219924 A1 19870429 - CHUGAI ELECTRIC IND CO LTD [JP]

Cited by

CN108950257A; CN105489421A; US6974923B2; CN106350692A

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DE FR GB

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