

Title (en)

MATERIAL FOR ELECTRICAL CONTACTS BASED ON SILVER-TIN OXIDE OR SILVER-ZINC OXIDE

Title (de)

WERKSTOFF FÜR ELEKTRISCHE KONTAKTE AUF DER BASIS VON SILBER-ZINNOXID ODER SILBER-ZINKOXID

Title (fr)

MATIERE POUR CONTACTS ELECTRIQUES A BASE D'OXYDE D'ETAIN ET D'ARGENT OU D'OXYDE DE ZINC ET D'ARGENT

Publication

EP 0645049 B1 19960403 (DE)

Application

EP 93912924 A 19930609

Priority

- DE 4219333 A 19920610
- DE 4311399 A 19930407
- EP 9301453 W 19930609

Abstract (en)

[origin: WO9326021A1] A material for electrical contacts based on silver-tin oxide which contains tin oxide regions and further oxides and/or carbides in a matrix of silver or an alloy consisting mainly of silver. The further oxides and carbides are contained in the tin oxide regions and/or a transition region between them and the silver matrix. The proportion of the further oxides and carbides together amounts to 40 % wt. in relation to the quantity of tin oxide; the further oxides and carbides may be those of molybdenum, tungsten, bismuth, antimony, germanium, vanadium, copper or indium and, apart from a soluble component which may occur, the silver matrix is free of the further oxides and carbides.

IPC 1-7

H01H 1/02

IPC 8 full level

C22C 1/10 (2006.01); **C22C 1/05** (2006.01); **C22C 5/06** (2006.01); **C22C 32/00** (2006.01); **H01B 1/02** (2006.01); **H01H 1/023** (2006.01); **H01H 1/0237** (2006.01)

CPC (source: EP US)

C22C 1/059 (2023.01 - US); **C22C 32/0021** (2013.01 - EP US); **H01H 1/02376** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9326021 A1 19931223; AT E136394 T1 19960415; CN 1036099 C 19971008; CN 1085687 A 19940420; DE 59302122 D1 19960509; EP 0645049 A1 19950329; EP 0645049 B1 19960403; ES 2086945 T3 19960701; JP 2896428 B2 19990531; JP H08503998 A 19960430; US 5610347 A 19970311

DOCDB simple family (application)

EP 9301453 W 19930609; AT 93912924 T 19930609; CN 93108295 A 19930610; DE 59302122 T 19930609; EP 93912924 A 19930609; ES 93912924 T 19930609; JP 50111294 A 19930609; US 35622295 A 19950221