

Title (en)

MATERIAL FOR ELECTRIC CONTACTS AND PROCESS FOR ITS MANUFACTURE

Publication

EP 0024349 B1 19821215 (DE)

Application

EP 80104820 A 19800814

Priority

DE 2933338 A 19790817

Abstract (en)

[origin: ES8106560A1] There are needed materials based on Ag/SnO₂ to replace the known Ag/CdO materials for electrical contact on switches, which replacement materials contain an additional metal oxide component, without having to take into account an undesired temperature increase in the switching device. This is attained according to the invention with a material that contains 8-20 weight % tin oxide SnO₂, 0.05-5 weight % tungsten oxide, balance silver.

IPC 1-7

H01H 1/02; **H01H 11/04**; **C22C 1/04**; **C22C 5/06**; **C22C 32/00**

IPC 8 full level

B22F 1/00 (2006.01); **C22C 1/04** (2006.01); **C22C 1/05** (2006.01); **C22C 5/06** (2006.01); **C22C 32/00** (2006.01); **H01H 1/02** (2006.01); **H01H 1/023** (2006.01); **H01H 1/0237** (2006.01); **H01H 11/04** (2006.01)

CPC (source: EP US)

C22C 32/0021 (2013.01 - EP US); **H01H 1/02376** (2013.01 - EP US); **H01H 11/048** (2013.01 - EP US); **B22F 2998/10** (2013.01 - EP US)

Cited by

EP0039429A1; EP0080641A1; DE3405218A1; DE3541584A1; US5610347A; CN1036099C; EP0152606A3; FR2530066A1; WO9326021A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0024349 A1 19810304; **EP 0024349 B1 19821215**; AR 220647 A1 19801114; AT E2032 T1 19821215; AU 529960 B2 19830630; AU 6090580 A 19810219; BR 8005126 A 19810224; CA 1149645 A 19830712; DE 2933338 A1 19810226; DE 2933338 B2 19810604; DE 2933338 C3 19830428; DE 3061351 D1 19830120; ES 494261 A0 19810701; ES 8106560 A1 19810701; IN 155263 B 19850112; JP H0141691 B2 19890907; JP S5633444 A 19810403; MX 7137 E 19870810; US 4330330 A 19820518; YU 199780 A 19830430; YU 41511 B 19870831; ZA 805021 B 19810826

DOCDB simple family (application)

EP 80104820 A 19800814; AR 28218080 A 19800815; AT 80104820 T 19800814; AU 6090580 A 19800730; BR 8005126 A 19800814; CA 358304 A 19800815; DE 2933338 A 19790817; DE 3061351 T 19800814; ES 494261 A 19800814; IN 911CA1980 A 19800808; JP 10990580 A 19800812; MX 897480 U 19800814; US 17482780 A 19800804; YU 199780 A 19800808; ZA 805021 A 19800815