

Title (en)

Sintered contact material in low-tension switchgear, particularly for contactors.

Title (de)

Niederspannungsschaltgeräte-Sinterkontaktwerkstoff der Energietechnik, insbesondere für Motorschütze.

Title (fr)

Matériau de contact fritté dans appareillages interrupteurs à basse tension de la technique de l'énergie, spécialement pour des contacteurs.

Publication

EP 0369282 B1 19950614 (DE)

Application

EP 89120514 A 19891106

Priority

DE 3838951 A 19881117

Abstract (en)

[origin: US4948424A] Sinter contact materials produced from an intraoxidized alloy powder having the constitution $\text{AgSnO}_2\text{Bi}_2\text{O}_3\text{CuO}$ have added thereto at least zirconium oxide and optionally additionally bismuth oxide in parts by weight of preferably between 0.1 and 5%. For the production of these materials, zirconium oxide powder and optionally additionally bismuth oxide powder is added to the intraoxidized alloy powder $\text{AgSnO}_2\text{Bi}_2\text{O}_3\text{CuO}$. With such a contact material, the excess temperature behavior in motor contactors is improved.

IPC 1-7

H01H 1/02

IPC 8 full level

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); **B22F 2998/10** (2013.01 - EP US); **H01H 11/048** (2013.01 - EP US)

Cited by

CN107868880A; EP1142661A3; WO9222080A1; US10290434B2; US10727006B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0369282 A2 19900523; **EP 0369282 A3 19910313**; **EP 0369282 B1 19950614**; BR 8905829 A 19900612; DE 58909295 D1 19950720; JP H02185938 A 19900720; US 4948424 A 19900814

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