

Title (en)

METHOD OF PRODUCING PREFORMS OF CADMIUM-FREE SILVER-METAL OXIDE COMPOUND MATERIALS FOR ELECTRIC CONTACTS

Publication

EP 0080641 B1 19850828 (DE)

Application

EP 82110530 A 19821115

Priority

DE 3146972 A 19811126

Abstract (en)

[origin: US4609525A] The composite according to the invention is prepared by milling an atomized silver, two metal oxide alloy powder dry or wet in a mill in order to reduce its particle size and deform its particle shape. Subsequently an internal oxidation of the powder is carried out in two stages, at a first temperature range between 673 DEG K. and 773 DEG K. for two to six hours and in a second temperature range between 873 DEG K. and 1073 DEG K. for 0.5 to 2 hours. The internally oxidized powder is pressed into molded parts and these are densified by sintering in a temperature range between 973 DEG K. and 1173 DEG K. in air or a neutral atmosphere and by coining.

IPC 1-7

H01H 11/04; C22C 5/06

IPC 8 full level

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