

Title (en)
POWDER-METALLURGICALLY PRODUCED ELECTRICAL CONTACT MATERIAL COMPRISING SILVER AND GRAPHITE, AND PROCESS FOR PRODUCING IT

Publication
EP 0311134 B1 19920624 (DE)

Application
EP 88116746 A 19881010

Priority
DE 3734178 A 19871009

Abstract (en)
[origin: EP0311134A1] The powder-metallurgically produced material for electric contacts of silver with 2 to 7 % by weight of graphite contains, for increasing the strength, an addition of 0.5 to 50 % by weight of one or more base metals which are present in the material as uniformly distributed particles of a maximum size of $5 \times 10^{-1} \text{ mm}$. Preferably, such a material is produced from an alloy powder which contains the silver and the base metal(s) in the form of a precipitation alloy produced by spray pyrolysis.

IPC 1-7
B22F 3/16; **B22F 9/30**; **C22C 1/04**; **C22C 1/10**; **C22C 5/06**; **C22C 5/08**; **C22C 30/00**; **H01H 1/02**

IPC 8 full level
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B22F 9/30 (2013.01); **C22C 5/06** (2013.01); **C22C 32/0084** (2013.01); **H01H 1/023** (2013.01); **H01H 1/027** (2013.01)

Citation (examination)
METAL HANDBOOK, Ninth Edition, Vol. 3, Dezember 1980, Metals Park, Ohio - W.H. Cubberly et al. "Electric-Contact Materials" Seiten 662, 672-681

Cited by
CN105648261A; US8697247B2; WO2004093256A1

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