

Title (en)

SINTERED CONTACT MATERIAL BASED ON SILVER FOR USE IN POWER ENGINEERING SWITCHGEAR, IN PARTICULAR FOR CONTACT PIECES IN LOW-VOLTAGE SWITCHES

Publication

EP 0414709 B1 19930721 (DE)

Application

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Priority

DE 3813311 A 19880420

Abstract (en)

[origin: WO8910417A1] A contact material contains silver and at least one metal, metal alloy or metallic compound having a higher melting point than silver. According to the invention, the material contains, in addition to silver (Ag), from 2 to 50 % of at least iron (Fe) and/or titanium (Ti). It may also contain nitrides, carbides and/or borides of the metals titanium, zirconium and/or tantalum. The material possesses a spectrum of contact properties essentially identical to that of AgNi10, and can completely replace the latter.

IPC 1-7

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

IPC 8 full level

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CPC (source: EP US)

C22C 1/0466 (2013.01 - EP US); **C22C 1/059** (2023.01 - US); **C22C 32/0047** (2013.01 - EP US); **H01H 1/023** (2013.01 - EP US)

Citation (examination)

PATENT ABSTRACTS OF JAPAN, Band 007, Nr. 077 (C-159), 30 März 1983; & JP-A-58 009 952 (Sumitomo Denki Kogyo K.K.) 20-01-1983

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