Title (en)

Material for electric contacts of silver with carbon

Title (de)

Werkstoff für elektrische Kontakte aus Silber-Kohlenstoff

Title (fr)

Matériau pour contacts électriques en argent avec du carbone

Publication

EP 0736885 B1 20011017 (DE)

Application

EP 96100479 A 19960115

Priority

DE 19503184 A 19950201

Abstract (en)

[origin: EP0736885A2] Contacts consist of Ag, Ag alloy or a composite Ag material with 0.05 - 7 wt.% C, added exclusively in the form of soot with a mean primary particle size of less than 150 nanometre to the Ag, Ag alloy or composite Ag material powder for cold isostatic pressing and sintering. Pref. mean primary particle size is less than 100 nanometre, E.g., the sintered material, processed under protective gas, is cut to shape and burned in air or O2 to produce a solderable and weldable coating.

IPC 1-7

H01H 1/02

IPC 8 full level

C22C 1/05 (2006.01); **C22C 1/04** (2006.01); **C22C 5/06** (2006.01); **H01H 1/02** (2006.01); **H01H 1/023** (2006.01); **H01H 1/025** (2006.01); **H01H 1/027** (2006.01); **H01H 11/04** (2006.01)

CPC (source: EP)

C22C 1/0466 (2013.01); **C22C 5/06** (2013.01); **H01H 1/027** (2013.01); H01H 11/048 (2013.01); H01H 2300/036 (2013.01)

Cited by

DE102010014745A1; US6228904B1; DE102010014745B4; US9620258B2; WO2011086167A1; US8749330B2

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0736885 A2 19961009; **EP 0736885 A3 19971029**; **EP 0736885 B1 20011017**; AT E207236 T1 20011115; DE 19503184 C1 19960502; DE 59607910 D1 20011122; ES 2165931 T3 20020401; JP H08239724 A 19960917; ZA 96751 B 19960829

DOCDB simple family (application)

EP 96100479 A 19960115; AT 96100479 T 19960115; DE 19503184 A 19950201; DE 59607910 T 19960115; ES 96100479 T 19960115; JP 1675096 A 19960201; ZA 96751 A 19960131