

Title (en)

SINTERED CONTACT MATERIAL, PROCESS FOR PRODUCING THE SAME AND CONTACT PADS MADE THEREOF

Title (de)

SINTERKONTAKTWERKSTOFF, VERFAHREN ZU DESSEN HERSTELLUNG SOWIE DIESBEZÜGLICHE KONTAKTAUFLAGEN

Title (fr)

MATERIAU FRITTE DE CONTACT, SON PROCEDE DE PRODUCTION ET PLOTS DE CONTACT EN CE MATERIAU

Publication

**EP 0736217 A1 19961009 (DE)**

Application

**EP 95903252 A 19941222**

Priority

- DE 9401527 W 19941222
- DE 4344322 A 19931223

Abstract (en)

[origin: WO9517759A1] A sintered contact material made of silver and nickel is characterised in that it contains from 5 to 50 % by mass nickel, and in that nickel is homogeneously distributed in the silver structure as particles of 1  $\mu$  m to 10  $\mu$  m average size ( $\langle d \rangle$ ). An appropriate process for producing this sintered contact material is characterised in that the nickel is introduced into the silver structure before sintering, as when an alloy is mechanically produced. This process takes place in an air atmosphere. Contact pads made of this material may be extruded as strips or sections, compression moulded as individual contact pieces or be designed as two-layered pieces.

IPC 1-7

**H01H 1/02**

IPC 8 full level

**B22F 1/00** (2006.01); **C22C 1/04** (2006.01); **C22C 5/06** (2006.01); **H01H 1/02** (2006.01); **H01H 1/023** (2006.01)

CPC (source: EP US)

**H01H 1/023** (2013.01 - EP US); **Y10T 428/12028** (2015.01 - EP US)

Citation (search report)

See references of WO 9517759A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI PT SE

DOCDB simple family (publication)

**DE 4344322 A1 19950629**; BR 9408402 A 19970805; DE 59404552 D1 19971211; EP 0736217 A1 19961009; EP 0736217 B1 19971105; ES 2109804 T3 19980116; JP H09506931 A 19970708; US 5763105 A 19980609; WO 9517759 A1 19950629

DOCDB simple family (application)

**DE 4344322 A 19931223**; BR 9408402 A 19941222; DE 59404552 T 19941222; DE 9401527 W 19941222; EP 95903252 A 19941222; ES 95903252 T 19941222; JP 51709195 A 19941222; US 66644596 A 19960621