

Title (en)
METHOD FOR PRODUCING A CONTACT PIECE, AND CORRESPONDING CONTACT PIECE FOR A VACUUM INTERRUPTER CHAMBER

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES KONTAKTSTÜCKES, SOWIE KONTAKTSTÜCK FÜR EINE VAKUUMSCHALTKAMMER SELBST

Title (fr)
PROCEDE DE FABRICATION D'UN ELEMENT DE CONTACT ET ELEMENT DE CONTACT DESTINE A UNE CHAMBRE DE COMMUTATION A VIDE

Publication
EP 1844486 A1 20071017 (DE)

Application
EP 06701154 A 20060124

Priority
• EP 2006000578 W 20060124
• DE 102005003812 A 20050127

Abstract (en)
[origin: WO2006079495A1] The invention relates to a method for producing a contact piece, for use in a vacuum interrupter chamber, especially in a low, medium or high voltage vacuum interrupter chamber, according to the preamble of claim 1, and to a contact piece for a medium voltage vacuum interrupter chamber according to the preamble of claim 12. The aim of the invention is to improve multi-layer contact systems in such a manner that even larger layer thicknesses can be used to improve the electrical properties. For this purpose, the contact piece is constituted of at least two layers with a solder film inserted thereinbetween, said layers being welded together in a vacuum furnace in a desired relative position to each other. The two-layer structure can also be achieved by a powder layering process. For this purpose, the powder layers are compressed in a compression mold and then sintered in the furnace to give the finished contact piece blank.

IPC 8 full level
H01H 33/66 (2006.01)

CPC (source: EP US)
H01H 33/664 (2013.01 - EP US); **H01H 1/0206** (2013.01 - EP US); **H01H 11/045** (2013.01 - EP US); **Y10T 29/49105** (2015.01 - EP US); **Y10T 29/49128** (2015.01 - EP US); **Y10T 29/49144** (2015.01 - EP US); **Y10T 29/49149** (2015.01 - EP US); **Y10T 29/49204** (2015.01 - EP US); **Y10T 29/49206** (2015.01 - EP US)

Citation (search report)
See references of WO 2006079495A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006079495 A1 20060803; CN 101111914 A 20080123; CN 101111914 B 20140219; DE 102005003812 A1 20061005; EP 1844486 A1 20071017; EP 1844486 B1 20150304; US 2008163476 A1 20080710; US 2012312785 A1 20121213; US 8302303 B2 20121106; US 8869393 B2 20141028

DOCDB simple family (application)
EP 2006000578 W 20060124; CN 200680003429 A 20060124; DE 102005003812 A 20050127; EP 06701154 A 20060124; US 201213589474 A 20120820; US 88305506 A 20060124