Title (en)

MANUFACTURE OF VACUUM INTERRUPTER CONTACTS

Publication

EP 0178796 A3 19870527 (EN)

Application

EP 85306634 A 19850918

Priority

GB 8426009 A 19841015

Abstract (en)

[origin: EP0178796A2] A method of manufacturing vacuum interrupter contacts by mixing powdered copper with powdered chromium and less than 0.25% powdered bismuth, cold pressing the mixture up to more than 90% of theoretical maximum density, sintering under vacuum, and then cold coining the contact up to more than 97% of theoretical maximum density. The bismuth may in some cases be replaced by lead, tellurium, thallium, antimony, tungsten or a mixture thereof.

IPC 1-7

H01H 1/02; H01H 33/66

IPC 8 full level

H01H 33/66 (2006.01); **H01H 1/02** (2006.01)

CPC (source: EP)

H01H 1/0206 (2013.01)

Citation (search report)

- [YD] US 4048117 A 19770913 - EMMERICH WERNER S
- [X] EP 0118844 A2 19840919 - HITACHI LTD [JP]
- [A] DE 2346179 A1 19750626 - SIEMENS AG
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- [A] DE 2522832 A1 19751218 - WESTINGHOUSE ELECTRIC CORP

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US5241745A; EP0530437A1; US5354352A; EP0460680A3; US5246512A; WO9015425A1

Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

EP 0178796 A2 19860423; **EP 0178796 A3 19870527**; **EP 0178796 B1 19891102**; DE 3574074 D1 19891207; GB 2166161 A 19860430; GB 2166161 B 19880824; GB 8426009 D0 19841121; GB 8521984 D0 19851009; IN 164807 B 19890603; JP S6196621 A 19860515

DOCDB simple family (application)

EP 85306634 A 19850918; DE 3574074 T 19850918; GB 8426009 A 19841015; GB 8521984 A 19850904; IN 705DE1985 A 19850828; JP 21899885 A 19851001