

Title (en)  
Vacuum switchgear

Title (de)  
Vakuumschalter

Title (fr)  
Interrupteur à vide

Publication  
**EP 1383148 A1 20040121 (EN)**

Application  
**EP 03015909 A 20030711**

Priority  
JP 2002206858 A 20020716

Abstract (en)  
A method comprising the steps of dividing constituent elements of a vacuum switchgear assembly into parts, dividing each of the parts into an upper part group (movable electrode 176, ...) which is placed on said upper plate material 12 and a lower part group (stationary electrode 178, ...) which is placed on said lower plate material, dividing each part group into insulating parts and non-insulating parts, filling spaces among non-insulating parts with a brazing material, heating these part groups at 960 DEG C to fix them with the brazing material, applying a brazing material to spaces between the insulating parts and parts to be brazed (supporting base 118, ...), heating these part groups at 835 DEG C to fix the parts with the brazing material, TIG-welding the upper plate material 12 on which the upper part groups are fixed, the lower plate material 14 on which the lower part groups are fixed, and the side plate material 16 together at their joints in an inert gas, and thus sealing the vacuum container hermetically.  
<IMAGE>

IPC 1-7  
**H01H 33/66**

IPC 8 full level  
**H01H 33/66** (2006.01); **H01H 33/662** (2006.01)

CPC (source: EP KR)  
**H01H 33/66** (2013.01 - KR); **H01H 33/66207** (2013.01 - EP); **H01H 2033/66215** (2013.01 - EP); **H01H 2033/66223** (2013.01 - EP); **H01H 2033/6668** (2013.01 - EP)

Citation (search report)  
• [YA] US 4077114 A 19780307 - SAKUMA SHINZO  
• [YA] EP 0682351 B1 19981223 - TOSHIBA KK [JP]  
• [YA] US 3670123 A 19720613 - LUEHRING ELMER L  
• [YA] US 3969598 A 19760713 - SOFIANEK JOSEPH C, et al  
• [YA] US 5222651 A 19930629 - PILSINGER GUENTER [DE], et al  
• [A] EP 1152444 A1 20011107 - MITSUBISHI ELECTRIC CORP [JP]  
• [A] EP 1119011 A1 20010725 - HITACHI LTD [JP]  
• [A] US 3283101 A 19661101 - COBINE JAMES D, et al  
• [A] EP 1020970 A1 20000719 - MITSUBISHI ELECTRIC CORP [JP]

Cited by  
EP1693873A3; US7902479B2

Designated contracting state (EPC)  
CH DE FR GB LI

DOCDB simple family (publication)  
**EP 1383148 A1 20040121**; **EP 1383148 B1 20060927**; CN 1252766 C 20060419; CN 1469404 A 20040121; DE 60308605 D1 20061109; DE 60308605 T2 20070104; JP 2004055150 A 20040219; KR 20040010177 A 20040131

DOCDB simple family (application)  
**EP 03015909 A 20030711**; CN 03120829 A 20030320; DE 60308605 T 20030711; JP 2002206858 A 20020716; KR 20030048139 A 20030715