

Title (en)  
Vacuum switch.

Title (de)  
Vakuumschaltröhre.

Title (fr)  
Interrupteur sous vide.

Publication  
**EP 0277909 A1 19880810 (DE)**

Application  
**EP 88730021 A 19880129**

Priority  
DE 3703326 A 19870204

Abstract (en)  
[origin: US4795866A] A vacuum switch tube wherein at least one part which separates the interior of the tube from the environment is soldered to the housing of a vacuum switch tube so as to be vacuum-tight with a soft solder 6 which has a melting point which lies below 400 DEG C. The invention is suitable for vacuum switch tubes which do not have a pump stem, and particularly for protected tubes.

Abstract (de)  
Am Gehäuse einer Vakuumschaltröhre ist zumindest ein Teil 4, welches den Innenraum der Röhre von der Umgebung trennt, mittels eines Weichlotes 6, dessen Schmelzpunkt unter 400 °C liegt, vakuumdicht verlötet. Die Erfindung eignet sich für pumpstengellose Vakuumschaltröhren, insbesondere Schützröhren.

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

IPC 8 full level  
**B23K 31/02** (2006.01); **H01H 33/66** (2006.01); **H01H 33/662** (2006.01)

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

Citation (search report)  
• [Y] DE 1957812 A1 19701105 - ELEKTRO APP WERKE VEB  
• [Y] GB 1281938 A 19720719 - ASS ELECT IND [GB]  
• [AD] DE 2659871 A1 19771027 - MEIDENSHA ELECTRIC MFG CO LTD, et al  
• [A] EP 0129080 A1 19841227 - MEIDENSHA ELECTRIC MFG CO LTD [JP]

Cited by  
EP0419940A3; FR2706448A1; US6533161B1; WO9500459A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0277909 A1 19880810**; DE 3703326 A1 19880818; JP S63213232 A 19880906; US 4795866 A 19890103

DOCDB simple family (application)  
**EP 88730021 A 19880129**; DE 3703326 A 19870204; JP 2144988 A 19880202; US 14871988 A 19880126