

Title (en)  
VACUUM SWITCH WITH HELICAL ELECTRICAL CONDUCTORS

Publication  
**EP 0102317 A3 19861015 (DE)**

Application  
**EP 83730079 A 19830819**

Priority  
DE 3232708 A 19820831

Abstract (en)  
[origin: US4516004A] A vacuum switching tube having an evacuated housing in which contacts are disposed movable relative to each other and an improved current lead for such a vacuum tube are disclosed. The current lead comprises a core and a jacket surrounding the core. The core is made of a material with low electric conductivity compared to the jacket and has a helical outer contour. The core can be made by twisting a rod of polygonal or star-shaped cross section. A jacket of a material with relatively high electrical conductivity and with a smooth cylindrical outer contour is applied to the core. The jacket is joined to the core firmly without space between them or is made in one piece with the core.

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

IPC 8 full level  
**H01H 33/66** (2006.01); **H01H 33/664** (2006.01)

CPC (source: EP US)  
**H01H 33/664** (2013.01 - EP US); **H01H 33/6645** (2013.01 - EP US)

Citation (search report)  
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• [AD] DE 3033632 A1 19820415 - CALOR EMAG ELEKTRIZITAETS AG [DE]  
• [A] DE 1254217 B 19671116 - ASS ELECT IND  
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DE102017222943A1; WO2019115132A1; US11145471B2; DE102020211516A1; WO2022053410A1

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