

Title (en)  
Vacuum circuit interrupter.

Title (de)  
Vakuumschalter.

Title (fr)  
Interrupteur à vide.

Publication  
**EP 0043186 A2 19820106 (EN)**

Application  
**EP 81302444 A 19810602**

Priority  
• JP 9036780 A 19800701  
• JP 9256180 A 19800707

Abstract (en)  
A vacuum circuit interrupter includes a cylinder (21, 111) made of a metal relatively easy to deform plastically, and first and second insulating disks (22, 23, 112, 113) closing the ends of the metallic cylinder (21, 111) to form therewith an evacuated envelope (20, 110). A stationary conductive rod (31, 121) enters the envelope (20, 110) through the first disk (22, 112) in such a manner as to provide a seal therewith. A movable conductive rod (32, 122) movably enters the envelope (20, 110) through the second disk (23, 113). A bellows (39, 129) is fixed at its one end to the movable rod (32, 122) and at its other end to the second disk (23, 113) in such a manner as to provide a seal about the movable rod (32, 122) to allow for movement thereof without impairing the vacuum inside the envelope (20, 110). Stationary and movable electrodes (33, 34, 123, 124) are connected to the stationary and movable rods (31, 32, 121, 122) respectively in such a manner as to engage and disengage with each other according to the movement of the movable rod (32, 122).

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

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

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Cited by  
DE3628174A1; EP0138478A3; GB2182804A; EP0080315A1; US4499349A; WO9842000A1

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