

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)

CPC (source: EP)
H01H 33/66207 (2013.01); **H01H 33/66261** (2013.01); **H01H 33/66238** (2013.01); **H01H 2033/66215** (2013.01); **H01H 2033/66223** (2013.01); **H01H 2033/66269** (2013.01); **H01H 2033/66276** (2013.01); **H01H 2033/66292** (2013.01)

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

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

DOCDB simple family (publication)
EP 0043186 A2 19820106; EP 0043186 A3 19820714; EP 0043186 B1 19850123; DE 3168451 D1 19850307

DOCDB simple family (application)
EP 81302444 A 19810602; DE 3168451 T 19810602