

Title (en)  
HIGH-CURRENT SWITCH

Publication  
**EP 0029205 B1 19840222 (DE)**

Application  
**EP 80106966 A 19801112**

Priority  
• DE 2946124 A 19791115  
• DE 3020208 A 19800528

Abstract (en)  
[origin: US4386253A] There is described a low voltage switch for currents up to several 1000 amps, as may occur in galvanic plants. The switch comprises contact elements being carried opposite to each other by supporting plates which are actuatable by axially effective forces, a casing hermetically enclosing the contact elements (the casing being formed by the supporting plates and an annular membrane), the membrane being hermetically connected to the two supporting plates. Such membrane has been made of sheet metal until now. To make production more economical and, furthermore, to reduce current leaks across contact material sprayed onto insulating members between the contact elements the annular membrane is formed by bellows of flexible, electrically insulating, plastic material, the rims of the bellows being connected by means of clamping devices to annular connection surfaces of the supporting plate surrounding the contact element.

IPC 1-7  
**H01H 33/00**; **H01H 9/04**

IPC 8 full level  
**H01H 1/66** (2006.01); **H01H 9/04** (2006.01); **H01H 33/00** (2006.01)

CPC (source: EP US)  
**H01H 1/66** (2013.01 - EP US); **H01H 9/04** (2013.01 - EP US); **H01H 33/002** (2013.01 - EP US); **H01H 2001/5827** (2013.01 - EP US)

Cited by  
EP0343274A1; DE19623733B4

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0029205 A1 19810527**; **EP 0029205 B1 19840222**; CA 1152547 A 19830823; DE 3066721 D1 19840329; US 4386253 A 19830531

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**EP 80106966 A 19801112**; CA 364812 A 19801117; DE 3066721 T 19801112; US 20691880 A 19801114