

Title (en)

SWITCH CHAMBER FOR ELECTRIC CONTACTS SEALED FROM THE ENVIRONMENT

Publication

EP 0061655 A3 19830427 (DE)

Application

EP 82102182 A 19820317

Priority

- DE 3200392 A 19820108
- JP 4876681 A 19810331

Abstract (en)

[origin: US4430537A] A getter for use in a sealed contact chamber consists of a porous getter material which acts to adsorb substances which could create resistive films on electrical contacts. By disposing such a getter within the contact chamber of a switching device, such as an electromagnetic relay, molecules of, for instance, organic compounds, may be selectively and over long terms adsorbed to the getter and thus kept away from the contacts. The selective adsorption of such molecules is achieved by a porous getter material in which the majority of the pores have diameters greater than 3 nm and smaller than 100 nm, with the mean value of pore diameter ranging from about 7 nm to about 20 nm. The getter material may be substantially Al₂O₃.

IPC 1-7

H01H 1/64

IPC 8 full level

H01H 1/64 (2006.01)

CPC (source: EP US)

H01H 1/645 (2013.01 - EP US)

Citation (search report)

- [Y] US 2295694 A 19420915 - MORSE SLACK CHARLES, et al
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- [Y] FR 1109644 A 19560131 - PHILIPS NV
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- [Y] DE 2320618 A1 19741121 - DEUTSCHE FERNSPRECHER GMBH
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Cited by

US5936217A; EP0843328A3

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0061655 A2 19821006; EP 0061655 A3 19830427; EP 0061655 B1 19861008; EP 0061655 B2 19900328; CA 1179311 A 19841211;
US 4430537 A 19840207

DOCDB simple family (application)

EP 82102182 A 19820317; CA 399634 A 19820329; US 36358482 A 19820330