

Title (en)  
ISOLATOR FOR HIGH-TENSION INSTALLATIONS

Publication  
**EP 0066533 A3 19840418 (DE)**

Application  
**EP 82730051 A 19820504**

Priority  
DE 3122442 A 19810602

Abstract (en)  
[origin: US4445014A] A disconnect switch for high-voltage installations is disclosed. The switch includes a pair of hollow contacts, one of which is movable, disposed in a grounded metallic housing filled with compressed gas. A spring-loaded contact-breaking pin is provided in one of the hollow contacts. The pin is provided at its free end with a recess which is engaged in the "on" position of the switch by a ratchet device pivotally disposed in the other contact. During movement of the movable contact toward the "off" position of the switch, the contact-breaking pin remains in contact with the ratchet device. The mechanically controlled ratchet device releases the contact-breaking pin at a given position of the movable contact. The contact-breaking pin is then returned by its spring into its hollow contact with a velocity greater than that of the movable contact. Any arc which may be generated between the ratchet device and the contact-breaking pin is thereby quickly quenched even though the disconnect switch is driven at a slow speed.

IPC 1-7  
**H01H 31/32**; **H01H 33/12**

IPC 8 full level  
**H01H 31/00** (2006.01); **H01H 31/32** (2006.01); **H01H 33/12** (2006.01); **H01H 33/64** (2006.01)

CPC (source: EP US)  
**H01H 31/32** (2013.01 - EP US); **H01H 33/12** (2013.01 - EP US)

Citation (search report)  
• [Y] US 3348001 A 19671017 - UPTON JR CHESTER W, et al  
• [Y] FR 874628 A 19420813 - DELLE ATEL CONST ELECTR  
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**EP 82730051 A 19820504**; DE 3122442 A 19810602; DE 3274595 T 19820504; JP 9467182 A 19820602; SU 3447960 A 19820601; US 38313682 A 19820528