

Title (en)
ISOLATING SWITCH FOR HIGH-VOLTAGE INSTALLATIONS

Publication
EP 0066533 B1 19861203 (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.

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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)

Cited by
FR2547107A1; EP0138743A1; DE9109811U1; DE3938711A1; US5237137A; EP2728602A1; WO9107768A1

Designated contracting state (EPC)
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