

Title (en)  
HIGH-TENSION ELECTRICAL SWITCH INSTALLATION

Publication  
**EP 0239783 A3 19891206 (DE)**

Application  
**EP 87102568 A 19870224**

Priority  
DE 3611270 A 19860404

Abstract (en)  
[origin: US4814559A] An electrical switching device for switching high voltages in a network having a defined rated voltage. The device includes a series connection of at least first and second current interrupters having control elements across which a load voltage is distributed. Each interrupter operates according to different quenching principles and exhibits different dielectric behavior immediately after a zero passage of load current to be interrupted. The first interrupter comprises a first switch which has an operating voltage that is low relative to a mains voltage of the network and includes means for interrupting, at relatively low switching voltages without participation of the second interrupter, currents having inductive components. The second interrupter comprises a second switch having switching contacts and delay means for opening such switching contacts with a time delay of several milliseconds after the first interrupter is opened for interrupting load currents that are small relative to currents interrupted by the first interrupter. The series connection of the interrupters interrupts capacitive currents also under grounding conditions with comparatively large recovery voltages and without restriking, with a distribution of voltage across the interrupters, when both are open, being controlled solely by their own ground capacitances.

IPC 1-7  
**H01H 33/66**; **H01H 33/12**

IPC 8 full level  
**H01H 33/12** (2006.01); **H01H 33/14** (2006.01); **H01H 33/666** (2006.01)

CPC (source: EP US)  
**H01H 33/122** (2013.01 - EP US); **H01H 33/143** (2013.01 - EP US); **H01H 33/6661** (2013.01 - EP US); **H01H 2033/6667** (2013.01 - EP US)

Citation (search report)  
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• [Y] GB 1126362 A 19680905 - ASS ELECT IND  
• [A] US 3646294 A 19720229 - MCCLOUD GEORGE RANDALL  
• [A] DE 2522525 A1 19761202 - DRIESCHER ELTECH WERK

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Designated contracting state (EPC)  
AT BE CH DE ES GB IT LI NL

DOCDB simple family (publication)  
**EP 0239783 A2 19871007**; **EP 0239783 A3 19891206**; CA 1289995 C 19911001; DE 3611270 A1 19871008; DE 3611270 C2 19950817; US 4814559 A 19890321

DOCDB simple family (application)  
**EP 87102568 A 19870224**; CA 533698 A 19870402; DE 3611270 A 19860404; US 3394187 A 19870403