

Title (en)  
Overvoltage limiting circuit breaker.

Title (de)  
Überspannungsbegrenzender Schalter.

Title (fr)  
Disjoncteur limiteur de surtensions.

Publication  
**EP 0431306 B1 19941012 (FR)**

Application  
**EP 90120718 A 19901029**

Priority  
FR 8914433 A 19891103

Abstract (en)  
[origin: EP0431306A1] The subject of the invention is an overvoltage limiting circuit-breaker comprising for each phase at least one disconnection chamber consisting of a sealed insulating envelope filled with a gas of high dielectric strength and comprising fixed and moving main contacts and fixed and moving arc contacts, and a means of driving the moving contacts, characterised in that the said envelope (1) encloses a varistor (20) and means of insertion (32, 42) in order: - on the opening of the circuit-breaker, to insert the varistor (20), in parallel with the contacts, on separation of the main contacts (3, 9) and to disconnect the varistor before the end of opening travel of the moving arc contact (11) - on the closing of the circuit-breaker, to insert the varistor, in parallel with the contacts, before the contacting of the arc contacts (6, 11) and to short-circuit the varistor on contacting of the main contacts (3, 9). <IMAGE>

IPC 1-7  
**H01H 33/16**

IPC 8 full level  
**H01H 33/91** (2006.01); **H01H 33/16** (2006.01)

CPC (source: EP US)  
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Cited by  
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