

Title (en)  
HIGH-VOLTAGE HIGH-POWER FUSE

Publication  
**EP 0155373 B1 19891011 (DE)**

Application  
**EP 84114942 A 19841207**

Priority  
DE 3409957 A 19840317

Abstract (en)  
[origin: US4617544A] An HRC-fuse as an insulating body surrounding a main fusible conductor and an auxiliary fusible conductor connected to a spring biased impact pin. A conductive cap serving as a terminal for the fusible conductors is arranged on the insulating body and is provided with an outlet opening opposite the impact pin. A tripping hollow pin or sleeve coaxially surrounds at least a part of the impact pin and passes through the outlet opening. A bimetal release pawl is arranged in the one cap parallel to the pin and being electrically connected to the fusible conductors. The pawl engages a rest on the tripping sleeve to counteract a biasing spring. The impact pin and the tripping sleeve are triggered independently one from the other either by a short-circuit current melting the auxiliary conductor, or by an overload which heats up the bimetal release and triggers the sleeve. Both the tripping sleeve and the impact pin act on a load interruptor arranged opposite the outlet opening.

IPC 1-7  
**H01H 71/14**; **H01H 85/30**

IPC 8 full level  
**H01H 85/36** (2006.01); **H01H 37/76** (2006.01); **H01H 71/14** (2006.01); **H01H 85/02** (2006.01); **H01H 85/042** (2006.01); **H01H 85/12** (2006.01); **H01H 85/30** (2006.01); **H01H 89/00** (2006.01)

CPC (source: EP US)  
**H01H 71/14** (2013.01 - EP US); **H01H 85/306** (2013.01 - EP US); **H01H 2085/0258** (2013.01 - EP US)

Cited by  
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