

Title (en)  
SURGE ARRESTER

Title (de)  
BERSPANNUNGSABLEITER

Title (fr)  
DISPOSITIF DE DERIVATION DE SURTENSION

Publication  
**EP 1456913 A1 20040915 (DE)**

Application  
**EP 02796685 A 20021219**

Priority  
• DE 10163862 A 20011222  
• EP 0214540 W 20021219

Abstract (en)  
[origin: DE10163862A1] The invention relates to a surge arrester for high-frequency leads, comprising a coaxial cable section with an internal conductor and an external conductor, and a short-circuit conductor branched off from the internal conductor, which is connected to the external conductor. The aim of the invention is to provide a constructively simple surge arrester that allows the transmission of a supply voltage and that provides a reliable protection against electromagnetic interfering impulses. This aim is achieved by a surge arrester in which the short-circuit conductor is connected to the external conductor exclusively via an arrester that is configured as a varistor. Said varistor is the only discrete electrically active element between the short-circuit conductor and the external conductor.  
[origin: DE10163862A1] A short-circuit conductor (32) links to an outer conductor (14) via a charge eliminator designed as a disk-shaped varistor (50) and via electric connector elements (34,40,52) connected in series to the charge eliminator. The varistor connects to the short-circuit conductor via a plug-in connection (58) and can be disconnected from it.

IPC 1-7  
**H01R 13/646**

IPC 8 full level  
**H01C 7/12** (2006.01); **H01Q 1/50** (2006.01); **H01R 13/646** (2011.01)

CPC (source: EP US)  
**H01C 7/12** (2013.01 - EP US); **H01Q 1/50** (2013.01 - EP US); **H01R 24/48** (2013.01 - EP US); **H01R 2103/00** (2013.01 - EP US)

Citation (search report)  
See references of WO 03065514A1

Citation (examination)  
US 4161012 A 19790710 - CUNNINGHAM FRANCIS V

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