

Title (en)  
SURGE ARRESTER.

Publication  
**EP 0614198 A3 19940914 (DE)**

Application  
**EP 94102537 A 19940219**

Priority  
DE 4306691 A 19930304

Abstract (en)  
[origin: EP0614198A2] The surge arrester contains two connection armatures (1, 2) separated from each other along an axis, at least one cylindrically shaped varistor element (7) being arranged between them. The connection armatures (1, 2) and the one or more varistor element(s) (7) are braced together with the formation of a contact force to form a mechanically stable active part of the surge arrester. The active part is enclosed by a cast housing (12) made of insulating material. The active part is braced by at least two loops (5) acting independently of each other on the connection armatures (1, 2). The loops (5) are arranged with a separation from the one or more varistor element(s) (7). The connection armatures (1, 2) contain bearing surfaces, in each case corresponding to the number of loops (5) and azimuthally distributed regularly about the axis, one loop end being supported in each case on one of these bearing surfaces. In spite of simple design, the surge arrester exhibits good mechanical and electrical properties and can be produced in particularly cost-efficient ways. <IMAGE>

IPC 1-7  
**H01C 7/12**

IPC 8 full level  
**H01T 4/06** (2006.01); **H01C 7/12** (2006.01)

CPC (source: EP US)  
**H01C 7/12** (2013.01 - EP US)

Citation (search report)  
• [X] EP 0230103 A2 19870729 - RAYCHEM GMBH [DE]  
• [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 155 (E - 743) 14 April 1989 (1989-04-14)

Cited by  
WO2012098250A1; US5936826A; DE19813135A1; DE19622140A1; US5942968A; EP0810613A3; EP2998970A1; US8009402B2;  
WO2010089202A1; WO2007085338A1; DE102011009124A1; US7154728B2; WO2011095590A1; US8593775B2

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**EP 0614198 A2 19940907; EP 0614198 A3 19940914; EP 0614198 B1 19970115;** AT E147883 T1 19970215; AU 5642394 A 19940908;  
AU 672860 B2 19961017; CA 2116836 A1 19940905; CA 2116836 C 19990105; CZ 284669 B6 19990113; CZ 48494 A3 19941116;  
DE 4306691 A1 19941103; DE 59401564 D1 19970227; HR P940146 A2 19961031; HR P940146 B1 19980630; HU 218050 B 20000528;  
HU 9400549 D0 19940530; HU T70232 A 19950928; JP 3556261 B2 20040818; JP H06325852 A 19941125; PL 172988 B1 19980130;  
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DE 4306691 A 19930304; DE 59401564 T 19940219; HR P940146 A 19940303; HU 9400549 A 19940224; JP 3501494 A 19940304;  
PL 30238694 A 19940225; RU 94006797 A 19940302; US 20580394 A 19940304; ZA 941311 A 19940225