

Title (en)
Surge arrester

Title (de)
Ueberspannungsableiter

Title (fr)
Parafoudre

Publication
EP 0614198 B1 19970115 (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)

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

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