

Title (en)
Polymer based high tension current limiter

Title (de)
Hochspannungsstrombegrenzer auf Polymerbasis

Title (fr)
Limiteur de courant à polymère à haute tension

Publication
EP 0803881 B1 19990825 (FR)

Application
EP 97400880 A 19970421

Priority
FR 9605304 A 19960426

Abstract (en)
[origin: EP0803881A1] The fast switch (D) lies in series with the line and a semi-fast switch (d) is placed in the parallel section in series with the polymer elements (P1- P4). The matrix of these elements has an oblong cross-section and is enclosed by fluoride polymer. The metal conductors within each element extend beyond the matrix and are interconnected either on the same side (C1, C2, C3) of the assembly or on alternate opposite sides. The impregnated polymer has a resistivity of about 1 OMEGA cm. Each element is about 1000 mm long and within each element the conductors are about 10 mm apart. The assembly is held rigid by insulating bands (B1, B2).

IPC 1-7
H01C 7/13

IPC 8 full level
H01C 7/13 (2006.01)

CPC (source: EP US)
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DOCDB simple family (publication)
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