

Title (en)
OVERVOLTAGE PROTECTION SPARK GAPS AND TRANSFORMERS

Title (de)
ÜBERSpannungSSicherungSFunkENStreckE UND TRANSFORMATOREN

Title (fr)
ECLATEURS ET TRANSFORMATEURS DE PROTECTION DE SURTENSION

Publication
EP 0923800 A1 19990623 (EN)

Application
EP 97937349 A 19970903

Priority
• AU 9700567 W 19970903
• AU PO211796 A 19960904
• AU PO553297 A 19970307

Abstract (en)
[origin: WO9810498A1] The present invention relates to the technology of igniting spark gaps, particularly lightning arresters. The present invention also relates to lightning protection and transient protection. The present invention has many applications, such as electrical transmission lines, electrical supplies and sources, and telecommunications. One aspect of the present invention is directed to using a matrix transformer for the triggering of spark gaps. In a further aspect of the present invention the secondary conductor of the matrix transformer is folded back on itself so that, in the saturated mode, the magnetic linkage between the forward and the reverse section will act to further reduce the inductance. In a still further aspect of the present invention, there is provided a spark gap electrode, comprising at least two frusto conical sections mutually opposed, and being spaced by an insulative material, the sections having a hollow therethrough, into which a conductor can be placed.

IPC 1-7
H01T 4/02; H01T 15/00; H01F 19/00; H01F 27/28; H01F 38/12

IPC 8 full level
H01F 19/00 (2006.01); **H01T 4/08** (2006.01)

CPC (source: EP)
H01F 19/00 (2013.01); **H01T 4/08** (2013.01); **H01F 2038/006** (2013.01)

Citation (search report)
See references of WO 9810498A1

Designated contracting state (EPC)
AT CH DE DK ES FI FR GB IT LI NL PT SE

DOCDB simple family (publication)
WO 9810498 A1 19980312; EP 0923800 A1 19990623

DOCDB simple family (application)
AU 9700567 W 19970903; EP 97937349 A 19970903