

Title (en)  
OVERVOLTAGE PROTECTION SPARK GAPS AND TRANSFORMERS

Title (de)  
ÜBERSpannungSSicherungSFUNKENSTRECKE UND TRANSFORMATOREN

Title (fr)  
ECLATEURS ET TRANSFORMATEURS DE PROTECTION DE SURTENSION

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Application  
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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.

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