

Title (en)
OVERVOLTAGE PROTECTION COMPRISING A SPARK GAP

Title (de)
ÜBERSpannungSSchutz MIT EINER FunkenSTRecke

Title (fr)
PROTECTION CONTRE LES SURTENSIONS PRÉSENTANT UN ÉCLATEUR À ÉTINCELLE

Publication
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Application
EP 15700975 A 20150109

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Abstract (en)
[origin: WO2015113796A1] The invention relates to an overvoltage protection comprising a spark gap (9) and a laser (210) to ignite the spark gap. The laser (210) is connected to an input (226) of an optical elongation element (218) which serves to temporally elongate the laser pulses (310) generated by the laser. The output(230) of the elongation element (218) is connected to one end of an optical transmission fiber (15'), in particular to one end of an optical waveguide (15'). A second end of the transmission fiber (15') is connected to an input (234) of an optical compression element (238) which serves to temporally compress the laser pulses (410). An output (242) of the compressor element (238) is connected to the spark gap (9).

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