

LIGHTNING PROTECTOR WITH IGNITION DEVICE WITH  
SLIDING ELECTRICAL DISCHARGE ALONG A DIELECTRIC

A B S T R A C T

A lightning conductor (100) having an initiator device including a central electrode (110) having a free end (111) and an end connected to ground (112), an insulating part (121) surrounding the central electrode, having an outer surface (121a) that touches the free end continuously, and an electrically conductive outer electrode (122) partially covering said outer surface of the insulating part so that a non-covered portion (121'a) of the outer surface of the insulating part and touching the free end of the central electrode defines an insulating bridge between said outer electrode and the free end of the central electrode, said portion of the outer surface forming the bridge serving, during discharge of said outer electrode, to guide a spark between the outer electrode which is electrically charged under suitable atmospheric conditions and the free end of the central electrode.

FIGURE 1.