

Title (en)
SURGE ARRESTOR COMPRISING AT LEAST ONE ARRESTOR ELEMENT

Title (de)
ÜBERSpannungsableiter mit mindestens einem Ableitelement

Title (fr)
PARAFoudre DOTÉ D'AU MOINS UN ÉLÉMENT DE DÉRIVATION

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Application
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Abstract (en)
[origin: WO2010023193A1] The invention relates to a surge arrestor comprising at least one arrestor element, for example a varistor, and a disconnecting device for disconnecting the arrestor element or elements from the grid, wherein the disconnecting device comprises a thermal disconnect point that is incorporated into the electrical connection path within the arrestor, wherein a moving conductor section or a moving conductive bridge is connected to the arrestor element by way of the disconnect point on one side and the conductor section or the bridge is connected to a first external electrical connection of the arrestor on the other side, and comprises a means for generating a pre-stressing force, such as a spring, wherein the force vector associated therewith acts on the conductor section or the bridge in the disconnect direction directly or indirectly by way of a moving disconnection bracket, wherein further a conducting element is disposed in or at the end of the path of motion of the conductor section or of the bridge, said conducting element coming into contact with the conductor section or the bridge when the disconnecting device is triggered and being connected to a second external electrical connection for forming a short-circuiter. According to the invention, a moving insulation part is provided that penetrates into the path of motion of the conductor section or of the bridge directly prior to or upon reaching the short circuit state in order to prevent or suppress a re-ignition of the arc between the conducting element and the disconnect point.

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