

Title (en)  
GAS DISCHARGE SURGE ARRESTER WITH AN IGNITION LINE

Publication  
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Application  
**EP 87730142 A 19871112**

Priority  
DE 3642818 A 19861215

Abstract (en)  
[origin: EP0274980A2] Even ignition coatings, ignition surfaces or ignition lines applied without making contact to gas discharge surge arrestors until now had a resistance value which was inadequately defined and was furthermore subject to a large variance. Considerable scatter of the response voltages could thus arise. The new gas discharge surge arrestor is intended to have a reduced tolerance region of the response voltages as a result of the characteristics of the ignition line or lines. A gas discharge surge arrestor contains one or more ignition lines (3), without additives and impurities, with a relatively narrow resistance tolerance and a defined nominal resistance, whose tolerance region amounts to half a tenth power in a logarithmic scale. Each ignition line (3) is produced by contact-free dusting with carbon particles and makes contact with the electrodes over the full width. This results in a reduction in the scatter of the response voltage. The invention is particularly suitable for gas discharge surge arrestors with glass housings. <IMAGE>

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**H01T 1/20**

IPC 8 full level  
**H01T 1/20** (2006.01)

CPC (source: EP KR)  
**H01T 1/20** (2013.01 - EP); **H01T 4/08** (2013.01 - KR)

Cited by  
DE4318994A1; US5671114A

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