

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

Publication
EP 0274980 B1 19910508 (DE)

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>

IPC 1-7
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

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0274980 A2 19880720; EP 0274980 A3 19880727; EP 0274980 B1 19910508; DE 3642818 A1 19880616; DE 3769960 D1 19910613; KR 880008482 A 19880628

DOCDB simple family (application)
EP 87730142 A 19871112; DE 3642818 A 19861215; DE 3769960 T 19871112; KR 870014403 A 19871214