Title (en)

High energy zinc oxide varistor.

Title (de)

Hochenergie-Zinkoxid-Varistor.

Title (fr)

Varistance à l'oxyde de zinc à haute énergie.

Publication

EP 0494507 A1 19920715 (EN)

Application

EP 91311317 A 19911204

Priority

US 62630890 A 19901212

Abstract (en)

A disc (155) of sintered zinc oxide with suitable additives has flat opposing circular surfaces (140,141) to which electrodes (150,151) of equal diameter are fixed. An insulating collar (160), of high dielectric and high temperature insulating properties, is provided, and metal coatings (170,171) formed on the electrodes (150,151) so as to extend across the junctions between the electrodes (150,151) and the collar (160). The disc (155) is selected by satisfactory performance in a low-energy current pulse test in which the induced thermal stress is analysed. <IMAGE>

IPC 1-7

H01C 7/10

IPC 8 full level

H01C 7/10 (2006.01); **H01C 1/14** (2006.01); **H01C 7/102** (2006.01)

CPC (source: EP)

H01C 1/14 (2013.01); **H01C 7/102** (2013.01)

Citation (search report)

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- [XD] US 3905006 A 19750909 - MATSUOKA MICHIO, et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 531 (E-851)28 November 1989 & JP-A-1 216 504 (NGK INSULATORS) 30 August 1989
- [A] PATENT ABSTRACTS OF JAPAN vol. 3, no. 159 (E-162)27 December 1979 & JP-A-54 139 095 (MATSUSHITA ELECTRIC) 29 October 1979

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