Title (en)

METAL OXIDE VARISTOR WITH CONTROLLABLE BREAKDOWN VOLTAGE AND CAPACITANCE

Publication

EP 0074177 A3 19830831 (EN)

Application

EP 82304111 A 19820804

Priority

US 29590181 A 19810824

Abstract (en)

[origin: EP0074177A2] A metal oxide varistor with controllable breakdown voltage and capacitance characteristics is fabricated by controlled diffusion of lithium into conventional metal oxide varistor material at elevated temperature. The varistor layer containing lithium exhibits an increased breakdown voltage, lowered capacitance, and low leakage current while maintaining a high coefficient of nonlinearity.

IPC 1-7

H01C 7/10; C04B 35/00

IPC 8 full level

H01C 7/10 (2006.01); **H01C 7/112** (2006.01)

CPC (source: EP)

H01C 7/112 (2013.01)

Citation (search report)

- [X] US 3760318 A 19730918 - MASUYAMA T, et al
- [A] US 4147670 A 19790403 - SHOHATA NOBUAKI, et al
- [A] US 3723175 A 19730327 - MASUYAMA T, et al
- [A] FR 2373497 A1 19780707 - EUROP COMPOSANTS ELECTRON [FR]
- [A] US 3899451 A 19750812 - ICHINOSE NOBORU, et al

Cited by

DE10350343B4; WO9200593A1

Designated contracting state (EPC)

CH GB LI SE

DOCDB simple family (publication)

EP 0074177 A2 19830316; **EP 0074177 A3 19830831**; BR 8204971 A 19830802; CA 1186806 A 19850507; JP S5866304 A 19830420

DOCDB simple family (application)

EP 82304111 A 19820804; BR 8204971 A 19820823; CA 408962 A 19820806; JP 14224382 A 19820818