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Metal oxide varistor with controllable breakdown voltage and capacitance.

(57)

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.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
X	US-A-3 760 318 (MATSUSHITA) * Column 2, line 35 - column 49, line 37; claims *	1-10	H 01 C 7/10 C 04 B 35/00
A	--- US-A-4 147 670 (NIPPON ELECTRIC) * Claims *	8	
A	--- US-A-3 723 175 (MATSUSHITA) * Claims *	1,2,6- 8	
A	--- FR-A-2 373 497 (LCC/CICE - COMPAGNIE EUROPEENNE DE COMPOSANTS ELECTRONIQUES) * Claims *	8	
A	--- US-A-3 899 451 (TOKYO SHIBAURA) * Claims * -----	8	<div>TECHNICAL FIELDS SEARCHED (Int. Cl. ³)</div> H 01 C C 04 B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 30-05-1983	Examiner GORUN M.
<div>CATEGORY OF CITED DOCUMENTS</div> <div> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document </div>			