

Title (en)

Metal oxide film resistor and method for producing the same.

Title (de)

Metalloxid-Dünnschichtwiderstand und Herstellungsverfahren.

Title (fr)

Résistance en film mince d'oxyde de métal et méthode de fabrication.

Publication

EP 0660337 A2 19950628 (EN)

Application

EP 94120409 A 19941222

Priority

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Abstract (en)

A metal oxide film resistor comprises mainly zinc oxide and an auxiliary oxide of at least one metal added as an activator for covering a wide range of resistance of from 1 k OMEGA to 10 M OMEGA . A method of producing such a metal oxide film resistor comprises the steps of preparing a solution composed of at least a zinc salt, and forming a zinc oxide film (2) on an insulating substrate (1) by supplying a vapor of the solution to the insulating substrate (1) heated to a temperature at which the zinc salt thermally decomposes and by thermally decomposing the zinc salt on the surface of the insulating substrate (1). <IMAGE>

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