

[54] **THIN FILM ELECTRICAL RESISTORS AND PROCESS OF PRODUCING THE SAME**

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Related U.S. Application Data

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[30] **Foreign Application Priority Data**

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[58] **Field of Search** **204/192 F; 428/428, 428/432, 446, 336, 701, 702; 252/519, 518; 338/25, 28, 308, 309; 427/124, 126.1, 101**

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[57] **ABSTRACT**

Thin film electrical resistors comprised of a substantially homogeneous amorphous chromium-silicon-oxygen alloy having an empirical formula of Cr_xSi_yO_z wherein X is a number in the range of about 0.3 to 0.39, y is a number in the range of about 0.4 to 0.52 and x is a number in the range of about 0.1 to 0.30, with the proviso that some of x, y and z is equal to 1. Such resistors exhibit a relatively high ohmic resistance in the range of about 2,000 to 16,000 μΩ-cm.

3 Claims, 1 Drawing Figure

