

# United States Patent [19]

Cuomo et al.

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[54] PROCESS FOR PREPARING LOW ELECTRICAL CONTACT RESISTANCE COMPOSITION

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### Related U.S. Application Data

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[51] Int. Cl.<sup>4</sup> ..... C23C 14/34

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[58] Field of Search ..... 204/192.17, 192.15

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### [57] ABSTRACT

A composition of a metallic compound represented by the formula  $MT_x$ , and G is provided by sputtering an  $M_xG_{100-x}$  target. M is a metal selected from the group of titanium, hafnium, zirconium, and mixtures thereof. T is selected from the group of N, C, and mixtures thereof. G is a metal selected from the group of gold, platinum, and palladium. X is an integer from about 65 to about 95. Also provided are substances coated with the composition and process for depositing the composition on substrates.

19 Claims, 1 Drawing Sheet

