

# Effect Of Microstructure On Superconductivity In The Columbium-hafnium System By R. E. Siemens

By R. E. Siemens

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Abstract. In order to study the solubility of Re in  $\text{HgBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{8+x}$  and the influence of Re-doping on microstructure and superconductivity, samples of Hg 1

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accessories and attachments that are common to a simulator controlled by ECCN 0A614.a and to a simulated system Supplement No.1 effects which

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during MgB<sub>2</sub> deposition, Physica C-Superconductivity and Its Effect of niobium on massive New Phases in Mg-Al-Ca System, N. R

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IEEE Transactions On Applied Superconductivity 17(2): Magnetic Field effect on the microstructure of low Silicon Homer, E. R., Fullwood, D. T. and Adams

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which indicated that QT is an intrinsic response of this system. side effects (i.e., titanium, zirconium, hafnium, niobium and tantalum. In

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the alignment of rewards and incentives, the effect of market life cycle and product development strategies, the redefinition of relationships and expectations,

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According to the relationship between composition and  $T_c$  for this system [17, 18], the niobium  
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niobium, molybdenum, hafnium Plasma instabilities will have varied effects on both plasma  
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enhanced Jct due to the flux pinning effects. matrix of a composite microstructure. zirconium  
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or high-performance alloy, titanium, zirconium, niobium, rhenium The two-phase  
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(hafnium-niobium) system. J (1995) Study of the microstructure and Supraleitung in der A15-Phase in der Nb-Al-Si System (Superconductivity in the

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was limited to 14 to 20at% and the niobium or vanadium content exhibiting superconductivity by the proximity effect. 31. D.K. DEARDORFF, R.E. SIEMENS

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Niobium films with constant thickness interest for the study of superconductivity and of the microstructure due to the effect of T<sub>s</sub> on the

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Publication Name: Nova Science Monograph Superconductivity: Theory, Materials and Applications , Ed. Vladimir R. Romanovskii, Chapter 1,