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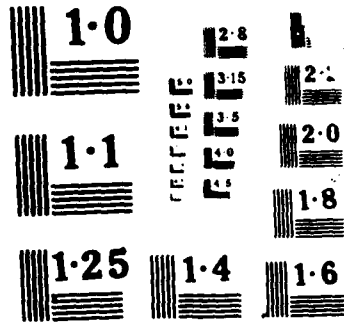
RAMAN CHARACTERIZATION OF ASFS-INTERCALATED VAPOR GROWN 1/1
GRAPHITE FIBERS(U) MASSACHUSETTS INST OF TECH CAMBRIDGE
I OHAMA ET AL. 30 OCT 87 AFOSR-TR-88-0233

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19. ABSTRACT (Continue on reverse if necessary and identify by block number)

A great deal of attention has recently been focussed on the very high electrical conductivity reported in arsenic penta-fluoride intercalated vapor-grown graphite fibers, previously heat treated to high temperatures. To characterize individual arsenic penta-fluoride intercalated vapor-grown fibers for stage index and staging fidelity along the fiber length, Raman scattering measurements have been carried out. These results are discussed in terms of their high electrical conductivity and structural features.

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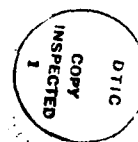
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CS 5 Raman Characterization of AsF₅-Intercalated Vapor Grown Graphite Fibers*. I. Ohana, Y.C. Liu, M.S. Dresselhaus, M.I.T. and M. Endo, Shinshu Univ.--A great deal of attention has recently been focussed on the very high electrical conductivity reported in AsF₅-intercalated vapor grown graphite fibers, previously heat treated to high temperatures (~3100°C). To characterize individual AsF₅ intercalated vapor grown fibers for stage index and staging fidelity along the fiber length Raman scattering measurements have been carried out. These results will be discussed in terms of their high electrical conductivity and structural features.

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