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Hsiao

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- (54) **INSULATED FIBER SENSOR APPARATUS AND METHOD**
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G01R 27/08 (2006.01)
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- (52) **U.S. Cl.**
USPC **324/691; 324/600; 324/609; 324/693; 338/226**
- (58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

An insulated fiber sensor apparatus is used in a composite that includes a number of fibers in a matrix. An insulated fiber is connected with the composite and is covered with insulation such that the insulation separates the insulated fiber from the matrix and from the number of fibers in the matrix. Further, a measurement device is connected with the insulated fiber. According to one aspect of the invention, the fibers are carbon fibers.

18 Claims, 2 Drawing Sheets

