

## Carbon Nanofiber Mat and Carbon Paper Compositions from Polyolefins

### **Disclosure Number**

200902300

### **Technology Summary**

The present invention comprises a low-cost method for the production of precursor carbon nanofiber mat compositions from polyolefins and subsequent conversion of the precursors into carbon paper compositions. The product can be used for sundry applications, including composite for EMI shielding, structural articles and components, and carbon membrane applications. Other conventional carbon mat production methods (such as CVD carbon nanofiber mat growing, electro-spinning of precursor web) are very expensive. The new method of the present invention involves a melt-processing and carbonization.

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