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(54) **POLYETHYLENE TEREPHTHALATE-GRAPHENE NANOCOMPOSITES**

(75) Inventor: **Jay Clarke Hanan**, Edmond, OK (US)

(73) Assignee: **THE BOARD OF REGENTS FOR OKLAHOMA STATE UNIVERSITY**, Stillwater, OK (US)

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(52) **U.S. Cl.**

CPC ***B29C 45/0013*** (2013.01); ***B82Y 30/00*** (2013.01); ***C08K 3/04*** (2013.01); *C08K 9/08* (2013.01)

(58) **Field of Classification Search**

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See application file for complete search history.

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Primary Examiner — Hannah Pak
(74) *Attorney, Agent, or Firm* — Terry L. Watt

(57) **ABSTRACT**

A nanocomposite material comprises polyethylene terephthalate (PET) as a base polymer and a nanoparticle that increases the strength of the base polymer.

6 Claims, 4 Drawing Sheets