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(71) Applicant: GENERAL ELECTRIC COMPANY [US/US]; One River Road, Schenectady, NY 12345 (US).

(72) Inventors: HUBBARD, Steven, Frederick; 19 Crestview Drive, West Sand Lake, NY 12196 (US). POTYRAILO, Radislav, Alexandrovich; 52 County Clare Lane, Niskayuna, NY 12309 (US). SCHOTTLAND, Phillipe; 5530 Calle Las Palmas, Evansville, IN 47712 (US). THOMAS, Verghese; 130 South Boehne Camp Road, Evansville, IN 47712 (US).

(74) Agents: WINTER, Catherine, J. et al.; General Electric Company, 3135 Easton Turnpike (W3C), Fairfield, CT 06828 (US).

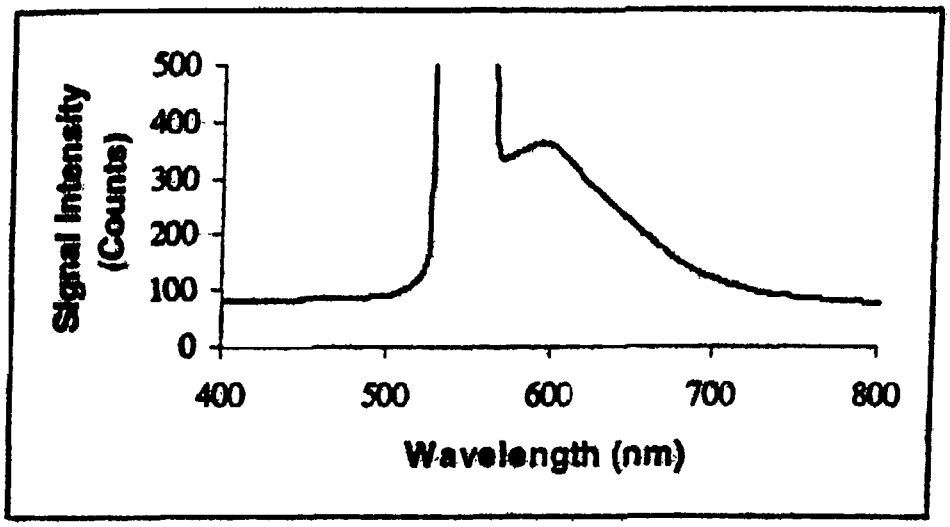
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(54) Title: TAGGING MATERIALS FOR POLYMERS, METHODS, AND ARTICLES MADE THEREBY



(57) Abstract: A polymer comprising a tagging material is provided wherein the tagging material comprises at least one organic fluorophore dye, at least one inorganic fluorophore, at least one organometallic fluorophore, at least one semi-conducting luminescent nanoparticle, or combination thereof, wherein the tagging material has a temperature stability of at least about 350°C and is present in a sufficient quantity such that the tagging material is detectable via a spectrofluorometer at an excitation wavelength in a range between about 100 manometers and about 1100 manometers. Further embodiments of the present invention include a method for identifying a polymer and an article comprising a polymer wherein the polymer contains the aforementioned tagging material.

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