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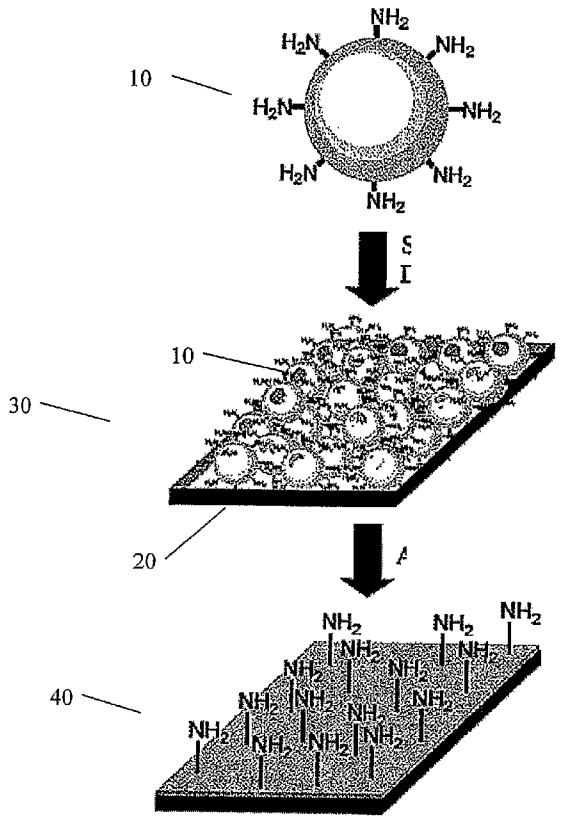
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(54) Title: LUMINESCENT METAL OXIDE FILMS



(57) Abstract: The present invention relates to articles and methods involving luminescent films which may be useful in various applications. Luminescent films of the present invention may comprise a layer of metal oxide nanoparticles and, in some cases, may interact with an analyte to generate a detectable signal, whereby the presence and/or amount of analyte can be determined. In some embodiments, fluorescence resonance energy transfer (FRET) may occur between the luminescent film and the analyte. Such articles and methods may be useful in, for example, biological assays or in sensors.

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