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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) Title: FORMING CROSSLINKED-GLUTATHIONE ON NANOSTRUCTURE

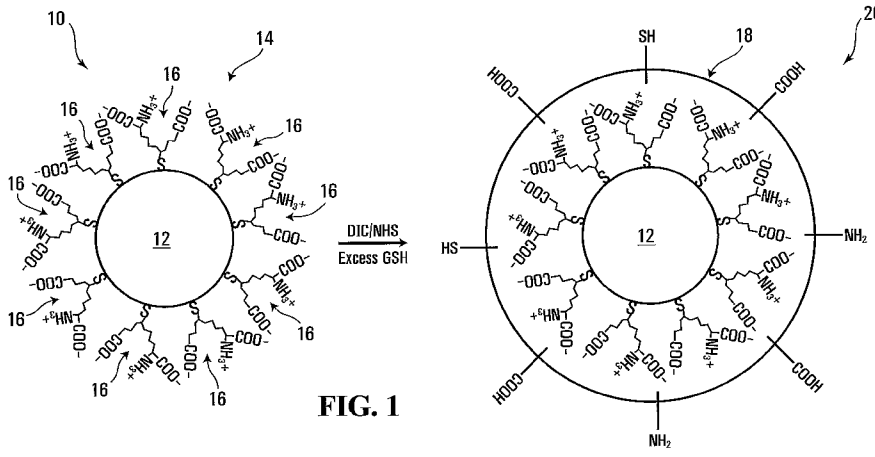


FIG. 1

(57) Abstract: In a method of forming a light emissive nanostructure, a quantum dot is provided and a crosslinked-glutathione layer around the quantum dot is formed. The light emissive nanostructure thus comprises a quantum dot and a crosslinked-glutathione layer around the quantum dot. In another method, a metal-based nanostructure is provided, and a crosslinked-glutathione layer coated on a surface of the metal-based nanostructure is formed. The metal-based nanostructure is thus coated with a crosslinked-glutathione layer. To promote crosslinking and stability, the glutathione layer may be crosslinked in the presence of an activating agent and sufficient amount of free glutathione.

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