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(54) Title: DISPENSABLE NANOPARTICLE BASED COMPOSITION FOR DISINFECTION

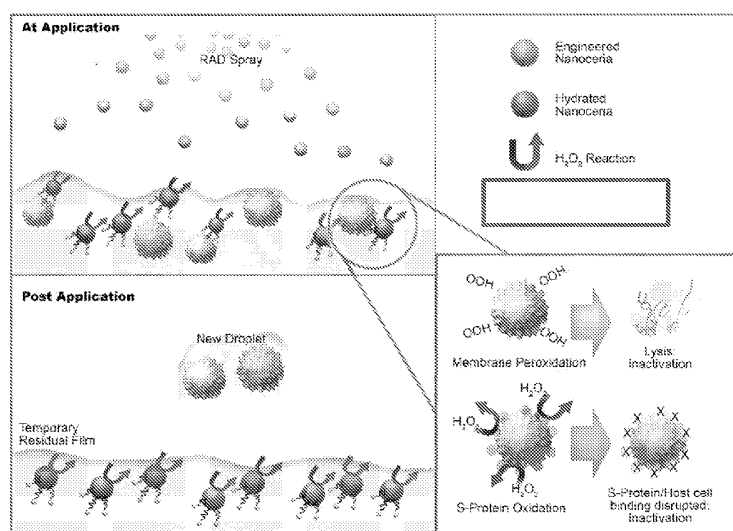


FIG. 1

(57) Abstract: Disclosed herein are rapid and residual disinfectant compositions that include a metal-associated cerium oxide nanoparticles. Also disclosed are methods of making disinfectant compositions. Films comprising the disclosed compositions are also disclosed as well as methods of disinfecting a surface.

[Continued on next page]

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