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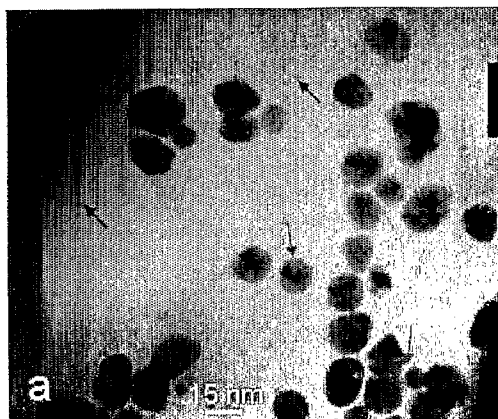
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(54) Title: SILVER/WATER, SILVER GELS AND SILVER-BASED COMPOSITIONS; AND METHODS FOR MAKING AND
USING THE SAME



(57) Abstract: We disclose a colorless composition comprising metal
particles (e.g., silver nanoparticles) and water, wherein said particles
comprise an interior of elemental metal (e.g., silver) and an exterior
of metal oxide (e.g., one or more silver oxide(s)), wherein the metal
nanoparticles are present in the water at a level of about 5-40 ppm, and
wherein the composition manifests significant antimicrobial properties.
Methods of use of the composition are described. The composition can
be incorporated into a hydrogel with essentially no loss of antimicrobial
properties. Various metal-containing compositions with unexpected bi-
ological efficacy are also disclosed.

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