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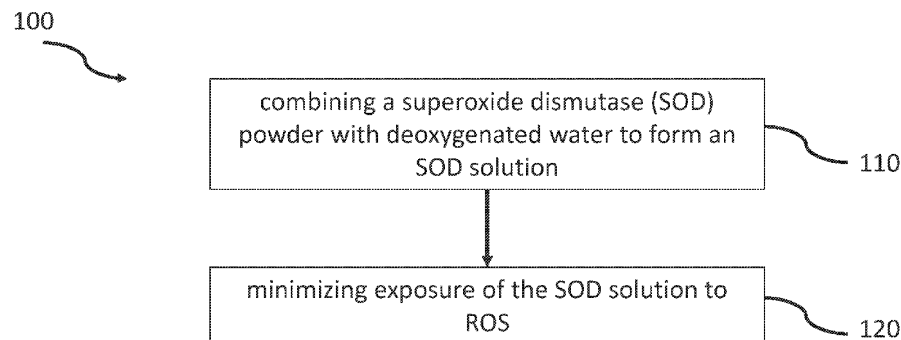


FIG 1a

(57) Abstract: The present disclosure is drawn to superoxide dismutase (SOD) compositions and methods thereof. A topical composition can comprise a combination of a therapeutically effective amount of superoxide dismutase (SOD) with a stabilizing carrier that is suitable for topical administration. A method of treating a condition in a subject that is responsive to treatment with superoxide dismutase (SOD) can comprise administering a therapeutically effective amount of the topical composition. A method of stabilizing a superoxide dismutase (SOD) composition can comprise combining an amount of SOD with deoxygenated water to form an SOD solution, and minimizing exposure of the SOD solution to reactive oxygen species (ROS).

[Continued on next page]

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