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(54) **Title:** COMBINED CHEMILUMINESCENT AND FLUORESCENT POWDER MARKING SYSTEM

(57) **Abstract:** The present disclosure relates to a powder composition comprising both chemiluminescent and fluorescent components. In some embodiments, the disclosure provides a marking system, which is in powder form, comprising at least one oxalate ester, at least one fluoescer, at least one peroxide, at least one catalyst, and at least one secondary fluorescent agent. In accordance with the present disclosure, the at least one oxalate ester, the at least one fluoescer, the at least one peroxide, and the at least one catalyst are admixed at the time of use for the generation of light. In certain embodiments, the chemiluminescent components emit light in the visible, ultra-violet, or infrared spectrum as the result of a chemical reaction, and the secondary fluorescent components can be selected for their ability to absorb at least some of the light generated by the chemiluminescent components, and then reemit light at a different wavelength.

