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(54) Title: PROJECTILE WITH A MULTI-SPECTRAL MARKING PLUME

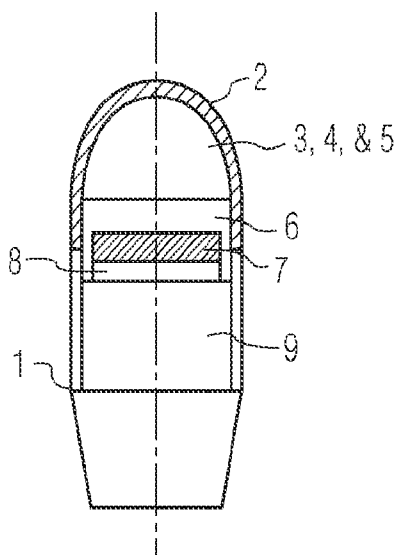


FIG. 2

(57) Abstract: A training ammunition projectile has a projectile body comprising a head with a frangible ogive designed to burst when the projectile strikes a target. One or more marking agents, disposed in the head for marking the position of the target upon its release when the ogive has burst, include 1) chemiluminescent components, disposed in separate frangible compartments, which mix and react chemically with each other when the compartments break up on setback, causing the mixed components to luminesce, (2) a low density, fine, dry powder material disposed in the head and designed to create a plume for marking the target when the projectile strikes the target. A dry thermal material, disposed in a separate compartment in the head and designed to be exposed to oxygen or air upon setback, due to the initial acceleration and the centrifugal forces, produce an exothermic reaction and emit heat during flight of the projectile.



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