

Projectile With Strike Point Marking

Abstract

[0035] The present invention describes a projectile (100,100a,100b,100c,100d) containing two luminescent dye components (123,125) and a dye powder (126). The first luminescent dye component (123) is contained in an ampoule (122) whilst the second luminescent dye component is contained in a vial (124) disposed inside the ampoule (122). A front crusher (120,120a) is provided at a front of the ampoule to crush into the ampoule and vial, thereby allowing the dye components to react and give a luminous glow. Upon impact at a target, a nose cap (110) of the projectile (100,100a,100b,100c,100d) breaks and a rear crusher (130) behind the ampoule throws the ampoule (122) forward and sputters the luminous dye out of the nose cap (110); at the same time, the dye powder (126) surrounding the ampoule is sputtered out to mark the point of impact. In addition, a thermal glow is also provided to mark the point of impact. These projectiles also allow light tracing.

[0036] FIG. 3B for publication.