

Abstract of the Disclosure

This Sheet Has Been Replaced



MULTIFUNCTIONAL MAGNETIC FUZE

- A multifunctional magnetic fuze is disclosed. The sensor includes an
- 5 apparatus and method for counting each rotation of a projectile after firing from a weapon. A signal is generated which indicates the rotations of the projectile and a counter counts the turns so that the projectile may detonate at a predetermined nominal number of turns. The turns count may also be used to calculate spin rate and muzzle velocity so that the nominal turns count may be adjusted based on actual velocity.
- 10 The fuze also may include a timer for counting a time to burst of a projectile. The turns count and/or the times count may be utilized to provide accurate detonation.