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PASSIVE VELOCITY DATA SYSTEM

ABSTRACT OF THE DISCLOSURE

There is provided a velocity measuring system contained on-board a projectile (18). The velocity is determined by a microprocessor on-board said projectile (18) that bases the computation on a measurement of the time required for the projectile (18) to pass two fixed points (20, 21) along a gun barrel (12). The fixed points (20, 21) may be passive signal sources that do not require an external power supply. A high degree of velocity accuracy is achieved because the microprocessor calculation need not be completed during the time that the projectile (18) traverses the gun barrel (12).

Drawing - Figure 1