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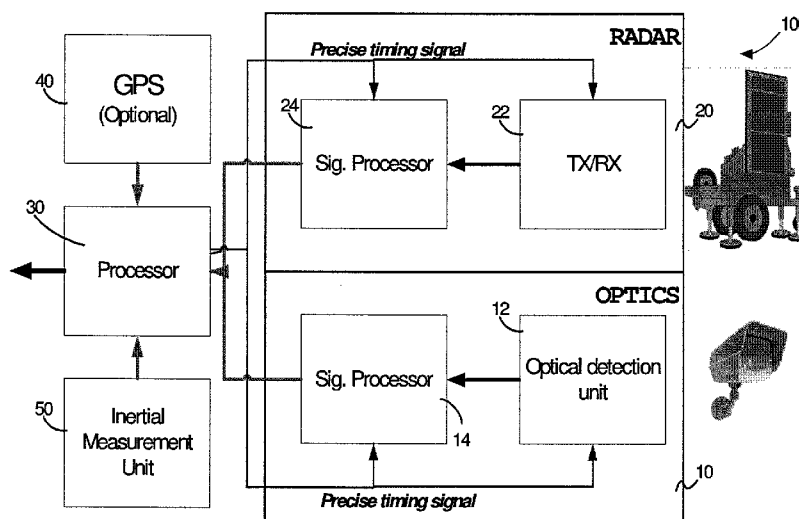


FIG. 2

(57) Abstract: According to examples of the presently disclosed subject matter, there is provided a system for estimating a source location of a projectile, comprising an optics subsystem, a radar subsystem and a processor. The processor is adapted to use range and velocity measurements obtained from data provided by the radar subsystem, a source direction and an event start time obtained from data provided by the optical subsystem and a predefined kinematic model for the projectile for estimating a range to a source location of the projectile.