

APPARATUS AND METHODS FOR DETECTION OF A SHOT FIRING EVENT

ABSTRACT

A method of determining an aim point of a firearm or simulated firearm at a time of firing by continuously pulsing a laser coaxially aligned with a barrel of the firearm or simulated firearm. The aim point is then continuously detected by a camera system observing the target. A shot firing event is detected and the last detected laser pulse location on the target prior to the shot firing event is determined. The aim point of the firearm or simulated firearm at the time of firing is extrapolated from the last detected laser pulse location and at least one laser pulse location prior to the last laser pulse location.

FIG. 1