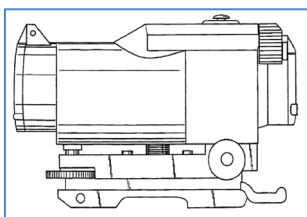


# AmiCOUR IP Group

## Compact Multifunction Gun Sight Patent by Cubic Corporation

\*\*\*USPN 7,631,432 Offered for Sale\*\*\*

### The Question Every Shooter Must Answer: *Should I Take the Shot?*



What if a weapon could communicate a safety warning just as the shooter is asking, "Should I take the shot?" This compelling patent by Cubic Corporation teaches a multifunction gun sight which provides clear and wide field red dot aiming for the shooter while detecting non-visible target zone signals capable of warning the shooter if another law enforcement officer or fellow hunter is located within the target zone.

In the "real world," targets and perceived threats are often transient and/or visually obstructed, or both, sometimes making accurate identification a challenge for every law enforcement officer and even many hunters. The decision to fire a weapon is sometimes split second yet remains a life or death decision. The tragic outcome can be an accidental shooting death. Soldiers write about the "fog of war" and easily "misidentifying a target as hostile." Non-combat shooting range accidents also occur; and, hunting fatalities approach 100 deaths annually.

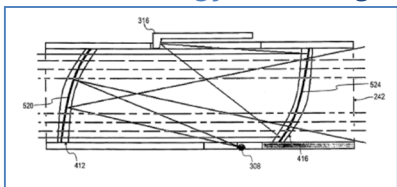
### Wavelength Separation: *"Light" Radiation From Different Bands is Directed Accordingly*

The human eye is only capable of "seeing" visible wavelengths of light; in fact, the proper engineering definition of "light" limits electromagnetic radiation to be correctly be called "light" to only visible wavelengths between about 400 and 700 nm. Electronic systems, on the other hand, can easily detect other "non-visible" wavelengths ("bands") of radiation. We've all seen those night vision images from special cameras illuminated by infrared radiation.

An everyday product using so-called "invisible light" is the "infrared LED" found in your TV remote control, more correctly called an "IRED" or infrared emitting diode. When your remote blinks infrared wavelength signals to your TV, you can't see the blinking "light" because it isn't visible light; nevertheless, your remote is transmitting coded signals.

To professionals who use firearms as part of their job, and even many hunters, the red dot gun sight is as commonplace as a TV remote control. This patent advances red dot technology to detect and separate an invisible coded signal from the shooter's optical view, then direct it to the weapon's electronic safety systems.

### The Technology: *Directing Non-visible Signals to a Detector and Safety System*



When the weapon is aimed, sources of both light and non-visible radiation entering the red dot aperture are generally limited to sources from within the target aiming area. If non-targeted personnel within this aiming zone are equipped with non-visible transmitters, coded signals radiated by those transmitters will be collected by the sight and diverted to a sensor for processing. In a non-combat environment, safety transmitters may remain in an

"always on" mode. Shooter warning modes may be specified from a wide choice of options, perhaps even including the step of blocking the weapon from firing altogether, or in the alternative, requiring a conscious override before the weapon may be fired. Buyers interested in full mode IFF system applications should review patent art and technologies.

### Training and Simulation: *This Remarkable Red Dot Sight Can Also Record a "Kill"*

Infrared technology for weapons training, adopted in the 1980's, is also recognized by its consumer counterpart, "laser tag." These fielded systems are bulky and inhibit real combat weapons performance. This patented sight is equivalent to actual field equipment in size and weight, yet adaptable to "laser tag" type training. **Offered for sale and assignment, the successful bidder will own patent and licensing rights to a universal, sight embedded sensor platform to serve red dot markets for law enforcement, military, training, sport shooting, and hunting products.**

### *For more information...*

Additional information is available. **Know-how with technology demonstrations may also be available.**

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