Summary of the Invention

Embodiments of ~~The~~ the current invention, the subject matter of this patent application, seek to responds to the need expressed above by providing an apparatus that from the instant of activating it, posts a mechanical interruption (a barrier) to the breech block (as defined previously above) of the machine gun, and prevents in advance or stops the cyclic linear movement forward and backward of the breech block which is required, as said, for executing automatic firing by the machine gun.

The barrier (jamming) component in an apparatus in accordance with embodiments of the present invention is inserted through the ejection port of the cartridges and makes a place for itself before the front leading edge of the breech block.

~~In one aspect, the invention is an apparatus that prevents and stops runaway firing.~~ A first aspect of the present invention provides a preventing and stoppage apparatus of unintended firing that is installable in the RCWS. ~~An~~ The apparatus ~~that~~ comprises a barrier (jamming) component and an actuator that is connected to said barrier component. The barrier component is suited for movement by the actuator through the cartridges ejection port from an automatic weapons that ~~are mountable~~ is installable in an RCWS, to the weapon's breech block movement path, in order to prevent in advance or stop runaway firing from it, and outwards from it in a manner that enables firing.

In a preferred embodiment of the invention, the actuator is an electrical actuator that is activated to propel the barrier component outwards (away) from the breech block movement path, while in the regular (normal) situation the barrier component is spring biased toward the breech block movement path.

~~By the point of view of a second aspect, in the invention there is embodied a general.~~ A second aspect of the present invention provides a method for preventing and stopping runaway firing of automatic weapons that are mountable in an RCWS and comprises a breech block and a cartridges ejection port. ~~A~~The method ~~that~~ comprises the steps of interrupting the movement of the breech block of the weapon by propelling a barrier component to move through the cartridges ejection port to the movement path of the breech block of the weapon for preventing in advance (before it starts) or stopping runaway firing of the weapon. At the second step the barrier component is propelled to ~~movement~~ move through the cartridges ejection port outwards (away) from the movement path of the breech block in a manner that firing by the weapon is enabled.

A third aspect of the present invention provides an RCWS that for the purpose of preventing and stopping unintended firing from at least one automatic weapon, that is installed in it, the method defined in the second aspect is implemented in it.

It is to be understood that both the foregoing general description and the following detailed description are exemplary and explanatory and are intended to provide further explanations of the invention as claimed.