Claims

1. An armory weapon rack adapted for housing a number of weapons and securing them therein in a controlled manner, the armory weapon rack comprising:

a plurality of weapon lock module units fitted on the armory weapon rack, wherein each weapon lock module unit further includes a base holder for holding the weapon thereon, and a place and lock mechanism for securing a distal part of the weapon on the weapon lock module unit,

wherein the place and lock mechanism ~~further~~ comprises a back panel; a locking assembly disposed under the back panel; a support mounted the back panel, the support is adapted for receiving the distal part of the weapon ; and a locking arm defining an actuating bar on one end and a closing bar on the other end oriented perpendicular to each other, the locking arm is pivoted at between the actuating bar and the closing bar about a pivoting end of the support, ~~a support, a back panel, and a locking assembly,~~

~~the locking arm includes an actuating bar and a closing bar,~~

~~the locking arm pivots about the support, the locking arm is securable by the locking assembly at a locked position,~~

the locking assembly is adapted to secure the locking arm at a locked position,

wherein when the weapon lock module is not loaded with a weapon thereon, the locking arm is pivoted with the actuating bar across the support, and when loading a weapon thereon, the distal part of the weapon pushes the actuating bar to pivot the

closing bar to form a substantially close loop to hold the distal part of the weapon in the support in a single flowing action.~~the support together with the closing bar of the locking arm form a substantially closed loop for securing the distal part of the weapon with a single flowing action by a user; and~~

~~the single flowing action by the user includes using the weapon to push the actuating bar of the locking arm~~.

2. The armory weapon rack according to claim 1, wherein the armory weapon rack further includes an electronics compartment located along the sides of the armory weapon rack, wherein the electronics compartment houses various security components.

3. The armory weapon rack according to claim 2, wherein the electronic compartment also includes a high security key lock to secure the electronic compartment, wherein the high security key lock may only be locked or unlocked with a key held by a person with an authorized access to the electronics compartment.

4. The armory weapon rack according to claim 1, wherein the armory weapon rack further includes a security camera for capturing video scenes in front of the armory weapon rack.

5. The armory weapon rack according to claim 1, wherein the weapon lock module unit is removably attached to the inner structure of the armory weapon rack.

6. The armory weapon rack according to claim 1, wherein the armory weapon rack further comprises a body lock bar disposed across the width of the armory weapon rack within the recess area where the weapons are being stored.

7. The armory weapon rack according to claim 1, wherein the base holder is fixed on the base of the internal structure of the armory weapon rack.

8. The armory weapon rack according to claim 1, wherein the base holder further includes a radio-frequency identification (RFID) module that is housed within the base holder.

9. The armory weapon rack according to claim 8, wherein the RFID module in the base holder identifies the weapon placed into the base holder.

10. A locking assembly of claim 1, ~~in a place and lock mechanism for a weapon lock module unit is fitted within an armory weapon rack~~, the locking assembly comprising:

a solenoid, a locking pin, a stopper and a spring, located within a back panel in the armory weapon rack,

the locking assembly when enabled, power is supplied to the solenoid and carries an electrical current, the solenoid pulls the locking pin inwards, enabling the movement of the stopper,

the locking assembly when disabled, there is no power supply and the solenoid ceases carrying an electrical current, the locking pin propels out of the solenoid, restricting the movement of the stopper; and

the spring to push the stopper into or out of the back panel.

11. The armory weapon rack according to claim 1, wherein the armory weapon rack is adapted as part of a weapon management system installed within a facility, wherein the weapon management system enables networks of all the armory weapon rack within the facility to provide a central command and control center.