Claims:

1. A modular automatic or semiautomatic rifle comprising;

a lower receiver assembly having a fire control assembly for firing the rifle; and

an upper receiver assembly with a frame, a first barrel and a bolt carrier assembly configured for firing bullets of a predetermined caliber;

wherein the lower receiver assembly has a mating interface configured for operably joining the lower receiver assembly to the upper receiver assembly, and for operably joining the lower receiver assembly to another separate upper receiver assembly different from the upper receiver assembly configured for firing bullets of the predetermined caliber, the another separate upper receiver assembly having a different frame, a different barrel and a different bolt carrier assembly configured for firing bullets of a different predetermined caliber, wherein the predetermined caliber is 7.62 × 51 mm and the different predetermined caliber is 5.56 × 45 mm.

~~2. The modular automatic or semiautomatic rifle of claim 1 wherein the rifle comprises a black rifle type rifle.~~

23. The modular automatic or semiautomatic rifle of claim 1 wherein the lower receiver has a front portion and a rear portion; wherein the front portion accepts a NATO 7.62 mm magazine and wherein the rear portion has a receiver extension compatible with a NATO 5.56 mm bolt carrier.

34. The modular automatic or semiautomatic rifle of claim 1 further comprising an adapter, the adapter coupling the other upper receiver assembly to the lower receiver assembly.

45. The modular automatic or semiautomatic rifle of claim 1 wherein the upper receiver assembly and the lower receiver assembly are joined with pins.

56. The modular automatic or semiautomatic rifle of claim 1 wherein the lower receiver assembly further comprises a buffer having a spring, wherein the buffer requires a different spring when the other upper receiver assembly is joined to the lower receiver assembly.

67. The modular automatic or semiautomatic rifle of claim 1 further comprising an adapter, the adapter coupling the other upper receiver assembly to the lower receiver assembly, the adapter having an interior portion adapted to accept a magazine of the different predetermined caliber.

78. A modular automatic or semiautomatic rifle comprising;

an upper receiver assembly having a bolt carrier assembly and a barrel; and

a lower receiver assembly connectable to the upper receiver assembly and having a fire control assembly;

wherein the upper receiver assembly is selected~~able~~ from a group of separate~~different interchangeable~~ upper receiver assemblies, the group of separate upper

receiver assemblies comprising at least a first upper receiver~~each~~ having a first bolt carrier assembly and a first barrel configured for use with~~different predetermined characteristic determining~~ a first~~different predetermined~~ caliber of bullets and a second upper receiver having a second bolt carrier and a second barrel configured for use with a second caliber of bullets, the first caliber of bullets being different from the second caliber of bullets, wherein the first caliber of bullets are 7.62 × 51 mm and the second caliber of bullets are 5.56 × 45 mm~~capable of being fired by the rifle~~.

~~9. The modular automatic or semiautomatic rifle of claim 8 wherein the rifle comprises a black rifle type rifle.~~

8~~10~~. The modular automatic or semiautomatic rifle of claim ~~8~~7 wherein the lower receiver assembly has a front portion and a rear portion; wherein the front portion accepts a NATO 7.62 mm magazine and wherein the rear portion has a receiver extension compatible with a NATO 5.56 mm bolt carrier.

9~~11~~. The modular automatic or semiautomatic rifle of claim ~~8~~7 wherein ~~each of~~ the group of separate~~different interchangeable~~ upper receiver assemblies each has a different interchangeable adapter, each of the different interchangeable adapters coupling each one of the group of separate~~different interchangeable~~ upper receiver assemblies to the lower receiver assembly.

10~~12~~. The modular automatic or semiautomatic rifle of claim ~~8~~7 wherein the upper

receiver assembly and the lower receiver assembly are joined with pins.

1113. The modular automatic or semiautomatic rifle of claim 87 wherein the lower receiver assembly further comprises a buffer having a spring for use with the first upper receiver when it is secured to the lower receiver assembly, and wherein the buffer requires a different spring for use with the first upper receiver when it is securedthe ~~different interchangeable upper receiver assemblies are joined~~ to the lower receiver assembly.

1214. The modular automatic or semiautomatic rifle of claim 87 wherein each of the different interchangeable upper receiver assemblies has a different interchangeable adapter, each of the different interchangeable adapters coupling each of the different interchangeable upper receiver assemblies to the lower receiver assembly, each of the adapters having an interior portion adapted to accept a magazine of each of the different predetermined calibers.

~~15~~13. A modular automatic or semiautomatic rifle comprising;

an upper receiver assembly having a frame, a barrel and a bolt carrier assembly, the upper receiver assembly configured for firing bullets of a predetermined caliber;

a lower receiver assembly connectable to the upper receiver assembly and having a fire control assembly, the lower receiver assembly having a mating interface configured for operably joining the lower receiver assembly to the upper receiver assembly; and

an adapter connectable to the mating interface, the adapter mating the lower receiver assembly to another separate upper receiver assembly different from the upper receiver assembly configured for firing bullets of the predetermined caliber, the another separate upper receiver assembly having a different frame, a different barrel and a different bolt carrier assembly configured for firing bullets of a different predetermined caliber, wherein the first caliber of bullets are 7.62 × 51 mm and the second caliber of bullets are 5.56 × 45 mm.

~~16. The modular automatic or semiautomatic rifle of claim 15 wherein the rifle comprises a black rifle type rifle.~~

1417. The modular automatic or semiautomatic rifle of claim ~~15~~13 wherein the lower receiver assembly has a front portion and a rear portion; wherein the front portion accepts a NATO 7.62 mm magazine and wherein the rear portion has a receiver extension compatible with a NATO 5.56 mm bolt carrier.

1518. The modular automatic or semiautomatic rifle of claim ~~15~~13 wherein the upper receiver assembly and the lower receiver assembly are joined with pins.

1619. The modular automatic or semiautomatic rifle of claim ~~15~~13 wherein the lower receiver assembly further comprises a buffer having a spring, wherein the buffer requires a different spring when the another upper receiver assembly is joined to the lower receiver assembly.

1720. The modular automatic or semiautomatic rifle of claim ~~15~~13 wherein the adapter has an interior portion adapted to accept a magazine of the different predetermined caliber.