Claims

1. Method of inductively programming a fuze comprising at least one target coil arranged in a projectile by means of a fuze setter comprising at least one setter coil, the method comprising
   i) conveying at least one of a projectile or a fuze setter by means of actuating means to bring the at least one target coil and the at least one setter coil in an inductive coupling position,
   ii) programming the fuze by transferring predetermined fuzing data from the at least one setter coil to the at least one target coil,
   iii) transferring fuzing data from the at least one target coil to the at least one setter coil to confirm correct programming of the fuze has been performed, and
   iv) retracting at least one of the fuze setter or projectile from the inductive coupling position when the transfer of fuzing data has been completed,

   wherein the inductive programming is performed in a magazine.

2. Method according to claim 1, wherein the at least one setter coil transfers electrical energy to the at least one target coil.

3. Method according to claim 1, wherein the fuze setter and fuze are concentrically positioned in the inductive coupling position.

4. Method according to claim 1, wherein the at least one setter coil embraces the at least one target coil in the inductive coupling position.

5. Method according to claim 1, wherein the setter coil is retracted subsequent to completion of transfer of the fuzing data.

6. Method according to claim 1, wherein the actuating means is powered by means of a hydraulic system.

7. Method according to claim 1, wherein the at least one setter coil and/or target coil is conveyed substantially horizontally to the inductive coupling position.

8. Method according to claim 1, wherein the projectile is positioned in a holder of the magazine prior to and during programming of fuze and that when the transfer of fuzing data has been completed, the programmed projectile comprising fuze is ejected from the holder.

9. Method according to claim 1, wherein the projectile is positioned with its nose portion horizontally in a horizontal holder in a magazine.

10. Method according to claim 1, wherein at least one sensor is arranged to monitor conveying of at least one of the fuze setter or the projectile to provide the inductive coupling position.

11. Method according to claim 1, wherein a gun computer program monitors the actuating means.

12. Method according to claim 1, wherein the projectile is transported by means of actuating means comprising a guiding arrangement to an inductive coupling position.

13. System for inductively programming a fuze comprising
    a. a fuze setter comprising at least one setter coil operable to transfer fuzing data to a fuze,
    b. a fuze comprising at least one target coil in a projectile adapted to receive fuzing data from fuze setter and operable to send fuzing data back to the setter coil,
    c. a magazine provided with at least one holder for at least one projectile in which fuze setter and fuze are positioned along a common center line, and
    d. actuating means operable to convey at least one of fuze setter or fuze to an inductive coupling position.

14. System according to claim 13, wherein fuze setter is conveyable by the actuating means to allow for an inductive coupling with fuze.

15. System according to claim 13, wherein fuze is conveyable by the actuating means to allow for an inductive coupling with fuze setter.

16. System according to claim 13, wherein the actuating means are operable to convey the fuze setter and/or the projectile substantially horizontally to an inductive coupling position.

17. System according to claim 13, wherein the actuating means is a hydraulic, pneumatic or an electrical actuator.

18. Artillery system comprising a system according to claim 13.