Claims

1. A golf system comprising:

a tee apparatus that includes:

a support;

an electromagnetic coil mounted on the support and configured to transmit a unique identification code by generating a changing magnetic field;

a marking for ball positioning; and

circuitry configured to supply electrical signals to the electromagnetic coil to generate the changing magnetic field; and

a golf ball including:

a magnetometer configured to:

receive the unique identification code of the tee apparatus by detecting the changing magnetic field of the electromagnetic coil; and

upon receiving the unique identification code, subsequently serve as a compass to monitor movement of the golf ball; and

circuitry configured to identify when the golf ball is located at the tee apparatus based on the unique identification code.

2. A golf system according to claim 1, wherein the circuitry of the tee apparatus is configured to supply pulsed signals that are coded with the unique identification code to the electromagnetic coil.

3. A golf system according to claim 1, wherein the circuitry of the tee apparatus is configured to supply successive messages over a predetermined range of frequencies.

4. A golf system according to claim 1, wherein the tee apparatus further includes a radio signal receiver for communication with a radio signal transmitter of the golf ball.

5. A golf system according to claim 4, wherein the radio signal transmitter is configured to transmit a signal including an identification code unique to the golf ball.

6. A golf system according to claim 5, wherein the radio signal receiver is configured to receive the signal that includes the identification code unique to the golf ball.

7. A golf system according to claim 1, wherein the golf ball includes a radio signal transmitter and the tee apparatus includes a radio signal receiver, wherein the radio signal transmitter is configured to transmit, by a radio signal, an identification code that is unique to the golf ball to the radio signal receiver of the tee apparatus at which the golf ball is positioned.

8. A golf system according to claim 1, wherein the tee apparatus further includes a frame member that houses the circuitry.

9. A golf system according to claim 8, wherein the tee apparatus further includes:
a base member supported by the frame member and defining a central hole;
a base support plate located below the central hole of the base member.

10. A golf system according to claim 1, wherein the magnetometer of the golf ball is connected to a switching arrangement and configured to activate the switching arrangement upon detecting the changing magnetic field of the tee apparatus.

11. A golf system according to claim 1, wherein the tee apparatus further includes a cover plate that carries the marking for ball positioning.