

CLAIMS

What is claimed is:

1. A method for low power communication links between wireless devices, comprising:
 - establishing, by a first wireless device, a first magnetic communication link to a source wireless device through a human body;
 - establishing, by a second wireless device, a second magnetic communication link to the source wireless device through the human body; and
 - receiving, by the first wireless device via the first magnetic communication link and the second wireless device via the second magnetic communication link, communications from the source wireless device through the human body.
2. The method of claim 1, wherein the first wireless device and the second wireless device can communicate with each other independent of the source wireless device.
3. The method of claim 2, further includes establishing, by the first wireless device, a third magnetic communication link with the second wireless device through the human body.
4. The method of claim 3, wherein the third magnetic communication link is a near ultra-low energy field (NULEF) communication link, a near field magnetic induction (NFMI) communication link, or a near field communication (NFC) link.
5. The method of claim 2, wherein the first wireless device and the second wireless device can communicate with each other via a Bluetooth communication link or Bluetooth Low Energy (BLE) communication link.
6. The method of claim 1, wherein the first magnetic communication link and second magnetic communication link are a near ultra-low energy field (NULEF) communication link, a near field magnetic induction (NFMI) communication link, or a near field communication (NFC) link.
7. The method of claim 1, wherein the source wireless device can communicate with the first wireless device independent of the second wireless device.
8. The method of claim 1, wherein the source wireless device can communicate with the first wireless device and second wireless device at the same time.

9. The method of claim 1, wherein the source wireless device can attempt to reestablish a communication link with the first wireless device and second wireless device if either wireless device loses connection to the source wireless device.
10. The method of claim 1, wherein the first wireless device and second wireless device can independently attempt to reestablish a communication link with the source wireless device if either wireless device loses connection to the source wireless device.
11. An apparatus for low power communication links between wireless devices, comprising:
- a first wireless device comprising:
 - a processor;
 - a memory communicatively coupled with the processor and storing computer-readable code that, when executed by the processor, causing the first wireless device to:
 - establishing a first magnetic communication link to a source wireless device through a human body;
 - receiving communications from the source wireless device via the first magnetic communication link through the human body; and
 - a second wireless device comprising:
 - a processor;
 - a memory communicatively coupled with the processor and storing computer-readable code that, when executed by the processor, causing the second wireless device to:
 - establishing a second magnetic communication link to the source wireless device through a human body;
 - receiving communications from the source wireless device via the second magnetic communication link through the human body.
12. The apparatus of claim 11, wherein the first wireless device and the second wireless device can communicate with each other independent of the source wireless device.
13. The apparatus of claim 12, further includes establishing, by the first wireless device, a third magnetic communication link with the second wireless device through the human body.

14. The apparatus of claim 13, wherein the third magnetic communication link is a near ultra-low energy field (NULEF) communication link, a near field magnetic induction (NFMI) communication link, or a near field communication (NFC) link.

15. The apparatus of claim 12, wherein the first wireless device and the second wireless device can communicate with each other via a Bluetooth communication link or Bluetooth Low Energy (BLE) communication link.

16. The apparatus of claim 11, wherein the first magnetic communication link and second magnetic communication link are a near ultra-low energy field (NULEF) communication link, a near field magnetic induction (NFMI) communication link, or a near field communication (NFC) link.

17. The apparatus of claim 11, wherein the source wireless device can communicate with the first wireless device independent of the second wireless device.

18. The apparatus of claim 11, wherein the source wireless device can communicate with the first wireless device and second wireless device at the same time.

19. The apparatus of claim 11, wherein the source wireless device can attempt to reestablish a communication link with the first wireless device and second wireless device if either wireless device loses connection to the source wireless device.

20. The apparatus of claim 11, wherein the first wireless device and second wireless device can independently attempt to reestablish a communication link with the source wireless device if either wireless device loses connection to the source wireless device.

21. A non-transitory computer-readable medium comprising processor-executable program code configured to cause a processor of a first wireless device and second wireless device to:

establishing, by the first wireless device, a first magnetic communication link to a source wireless device through a human body;

establishing, by the second wireless device, a second magnetic communication link to the source wireless device through the human body; and

receiving, by the first wireless device via the first magnetic communication link and the second wireless device via the second magnetic communication link, communications from the source wireless device through the human body.

22. An apparatus for low power communication links between wireless devices, comprising:

means for establishing, by a first wireless device, a first magnetic communication link to a source wireless device through a human body;

means for establishing, by a second wireless device, a second magnetic communication link to the source wireless device through the human body; and

means for receiving, by the first wireless device via the first magnetic communication link and the second wireless device via the second magnetic communication link, communications from the source wireless device through the human body.