EXHIBIT 19

PATENT
Attorney Docket No.: 0097725-001US5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Confirmation No.: 8850
Katelijn Vleugels et al.	Examiner: Jean F. Voltaire
Application No.: 14/073,260	Technology Center/Art Unit: 2466
Filed: November 6, 2013	
FOR: APPARATUS AND METHOD FOR INTEGRATING SHORT-RANGE WIRELESS PERSONAL AREA NETWORKS FOR A WIRELESS LOCAL AREA NETWORK INFRASTRUCTURE	AMENDMENT
Customer No.: 83664	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Commissioner:

      In response to the Office Action mailed July 22, 2014, please enter the following amendments and remarks:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

      Applicant notes the instant response is being timely filed on Monday, November 24, 2014, as the due date with a one-month extension of time fell on Saturday, November 22, 2014. Applicant is concurrently paying for a one-month extension of time with the instant response.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently Amended)   A network-enabled hub, usable for facilitating data communications between two or more wireless devices that are configured to communicate indirectly with each other via the network-enabled hub, comprising:

an interface to a wireless radio circuit that can send and receive data wirelessly, providing the hub with bi-directional wireless data communication capability;

a processor configured to:

~~logic for processing~~process data received via the wireless radio circuit;

~~logic for generating~~generate data to be transmitted by the wireless radio circuit;

~~logic for initiating and maintaining~~initiate and maintain network connections with nodes of a wireless network external to the network-enabled hub, maintaining at least a first network connection using a first network protocol and a second network connection using a second network protocol, that can be maintained, at times, simultaneously with each other, wherein the second network protocol is an overlay protocol with respect to the first network protocol in that communications using the second network protocol are partially consistent with the first network protocol; and

implement data forwarding logic, implemented in [[the]]a network-enabled hub using hardware and/or software, that forwards data between an originating node and a destination node, wherein the originating node is a node in one of the first and second networks and the destination node is a node in the other of the first and second networks.

2. (New) The network-enabled hub of claim 1, further comprising a routing module for receiving a poll request that contains information required to unambiguously identify a station that is a node in the second network, wherein the routing module coordinates retrieval of information from the station.

3. (New) The network-enabled hub of claim 1, wherein the first network connection provides a link via an access point of a wireless LAN and the second network connection provides a link to a personal area network ("PAN") serving PAN devices, such that network nodes that have access to the wireless LAN can address packets to PAN devices that are nodes on the PAN.

4. (New) The network-enabled hub of claim 3, wherein the network-enabled hub is configured to accept packets from the PAN devices where the packets are addressed to network devices that are accessible only via the network-enabled hub.

5. (New) The network-enabled hub of claim 3, further comprising:

at least one software module forming a software platform that allows the wireless radio circuit to connect to both the wireless LAN and the PAN; and

an operating system that enables operation of the network-enabled hub and execution of user-written application-specific application software for the network-enabled hub.

6. (New) The network-enabled hub of claim 1, wherein the second network protocol is a protocol that requires lower average power consumption over time relative to the first network protocol.

7. (New) The network-enabled hub of claim 1, wherein the first network protocol is an 802.11x wireless protocol and the second network protocol is a modification of the 802.11x wireless protocol that is not entirely compliant with the 802.11x wireless protocol of the first network but can be maintained in a common wireless space as the 802.11x wireless protocol.

8. (New) The network-enabled hub of claim 7, wherein the second network protocol is a protocol that allows for the network-enabled hub and the node in the second network to maintain the second network connection during a mutually agreeable inactivity period during which one or both of the network-enabled hub and the node is configurable such that it can enter an inactivity period wherein at least some communication function is disabled such that less power per unit time is consumed to power consumed when the communication function is not disabled.

9. (New) The network-enabled hub of claim 1, wherein the network-enabled hub and a device at the node in the second network other than network-enabled hub are configured to support a discovery mode using the second network, wherein the network-enabled hub and the device include logic, in one or both of the network-enabled hub and the device, for initiating device discovery by sending broadcast discovery requests on a pre-defined channel, further wherein both the network-enabled hub and the device are configured to have knowledge of a definition of the pre-defined channel, known prior to initiation of discovery.

10. (New) The network-enabled hub of claim 9, wherein the network-enabled hub and the device further include logic, in one or both of the network-enabled hub and the device, for indicating characteristics and/or state of the network-enabled hub and/or device.

11. (New) The network-enabled hub of claim 1, wherein the network-enabled hub includes logic to coordinate a mutually agreeable inactivity period between the network-enabled hub and wireless personal area network ("WPAN") devices such that the WPAN devices can enter a sleep mode and occasionally wake up to transmit or receive data and/or control signals, with the network-enabled hub and WPAN devices synchronized so that the network-enabled hub is able to communicate with WPAN devices when WPAN devices wake up.

12. (New) The network-enabled hub of claim 11, wherein the network-enabled hub is configured to sleep for at least a portion of the mutually agreeable inactivity period.

13. (New) The network-enabled hub of claim 1, further comprising the wireless radio circuit interfaced to the logic for processing data, wherein the wireless radio circuit supports communications on both the first network and the second network.

14. (New) The network-enabled hub of claim 1, further comprising a housing into which electronic components can be housed internally.

15. (New) The network-enabled hub of claim 1, further comprising a power module that receives power from an integrated wall plug.

16. (New) The network-enabled hub of claim 1, wherein the network-enabled hub is embedded into a personal computer, a cellular phone, or home entertainment equipment.

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