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- (54) APPARATUS AND METHOD FOR LINKING BLUETOOTH TO WIRELESS LAN

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(57)**ABSTRACT**

Apparatuses and methods for linking a wireless LAN terminal and a Bluetooth terminal, for enabling communications between the terminals, and for enabling establishment of an ad-hoc network between the terminals are provided. A first linking apparatus includes a first data conversion unit which receives a Bluetooth signal and converts it to common layer data; and a first signal conversion unit which converts the common layer data into a wireless LAN signal and transmits it. A second linking apparatus includes a second data conversion unit which receives a wireless LAN signal and converts it into common layer data; and a second signal conversion unit which converts the common layer data into a Bluetooth signal and transmits it. Thus, by linking Bluetooth terminals and wireless LAN terminals, communications between the terminals, which use different technologies, are enabled, and an ad-hoc network can be established between the terminals.

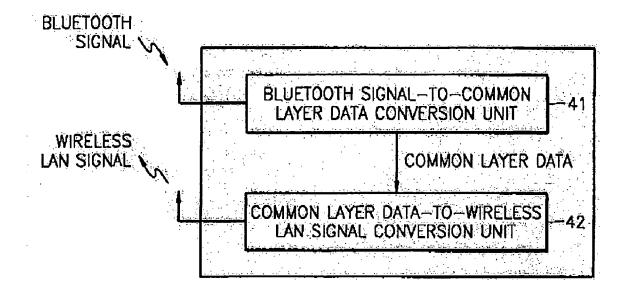


FIG. 1 (PRIOR ART)

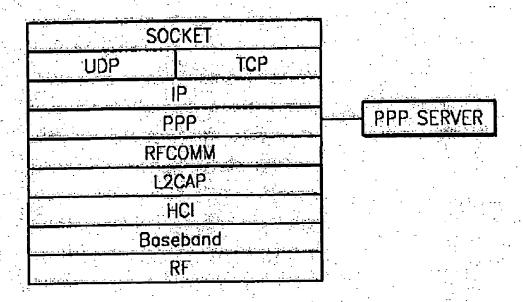


FIG. 2 (PRIOR ART)

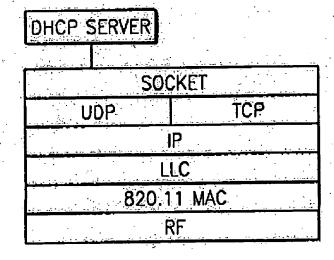


FIG. 3

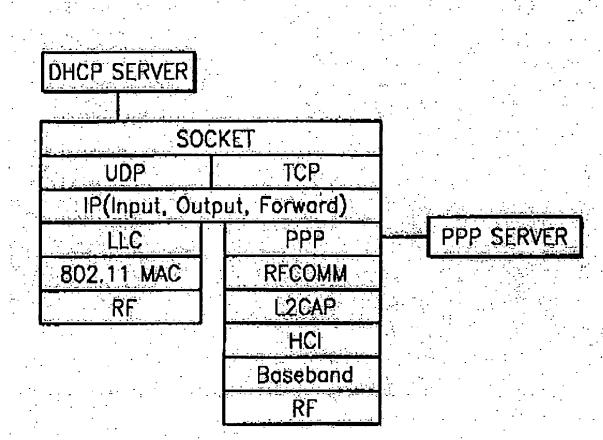


FIG. 4

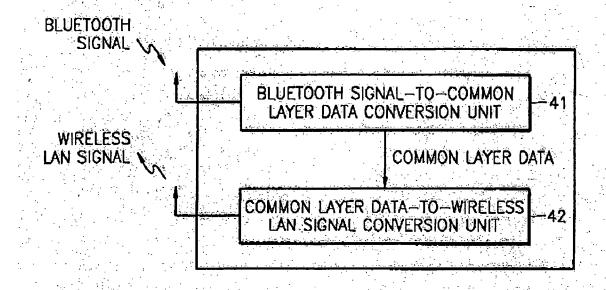
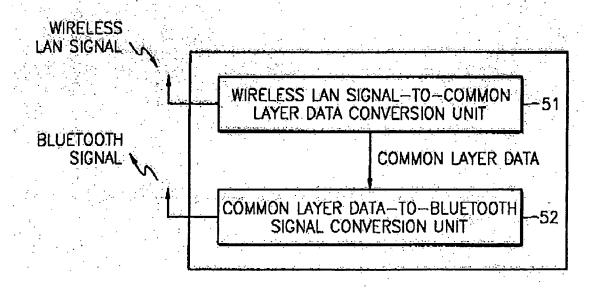
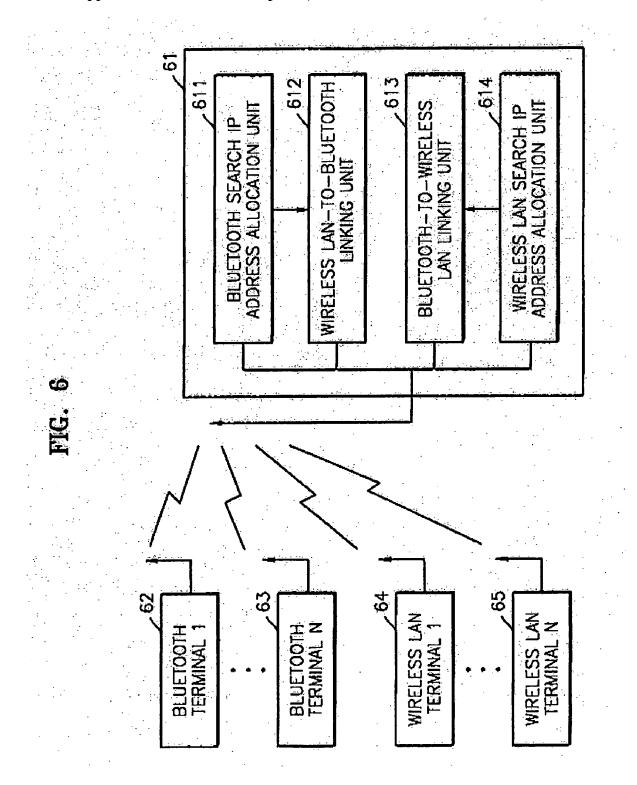


FIG. 5







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