those frequencies. The master device knows its location and is authorized to receive from the database available frequencies based on location. The master device may then provide the available frequencies to associated white space devices (also referred to as slaves), so that the white space devices can transmit on the available frequencies.

[003a] In an aspect, an apparatus is provided, comprising at least one processor; and at least one memory including computer program code, the at least one memory and the computer program code configured to, with the at least one processor, cause the apparatus to perform at least the following:

sending a request to a server including a white space database, wherein the server is located at a first address; and

receiving a response to the request, the response including at least one of an identity of the server or a second address for accessing at least one of the server or another server including another white space database.

[003b] In another aspect, an apparatus is provided, comprising means for sending a request to a server including a white space database, wherein the server is located at a first address; and means for receiving a response to the request, the response including at least one of an identity of the server or a second address for accessing at least one of the server or another server including another white space database.

[003c] In yet another aspect, a computer-readable medium including computer-program code which when executed by at least one processor provides operations comprising:

sending a request to a server including a white space database, wherein the server is located at a first address; and

receiving a response to the request, the response including at least one of an identity of the server or a second address for accessing at least one of the server or another server including another white space database.

[004] The white space device may comprise a radio that is a so-called "slave" device because it may not know its location (even though it may have a location determination capability, this capability may not function or may be inoperative) or the slave does not have the necessary functionality to communicate to an authorized database configured to provide available frequencies. Instead, the slave relies on the master device to obtain available frequency/channel information obtained from the database. For example, the white space device (or slave) may check for available frequencies by requesting the available frequencies from the master device serving the slave. Next, the master provides to the database a request for available frequencies and location information (representative of the location of the master device). The database returns to the master the available white space frequencies and optionally maximum transmit powers for the given location. Next, the master delivers the available frequencies and/or maximum transmit powers to the slave. The slave device may then operate on any of the available frequencies provided by the master, so long as the slave remains within range of the master. In the case of the FCC, the slave may use the available frequencies provided by the master, so long as the slave receives a contact verification signal (CVS) transmitted by the master device.

SUMMARY

[005] Methods and apparatus, including computer program products, are provided for white space database discovery. In one aspect there is provided a method. The method may include sending, by a user equipment, a request to a server including