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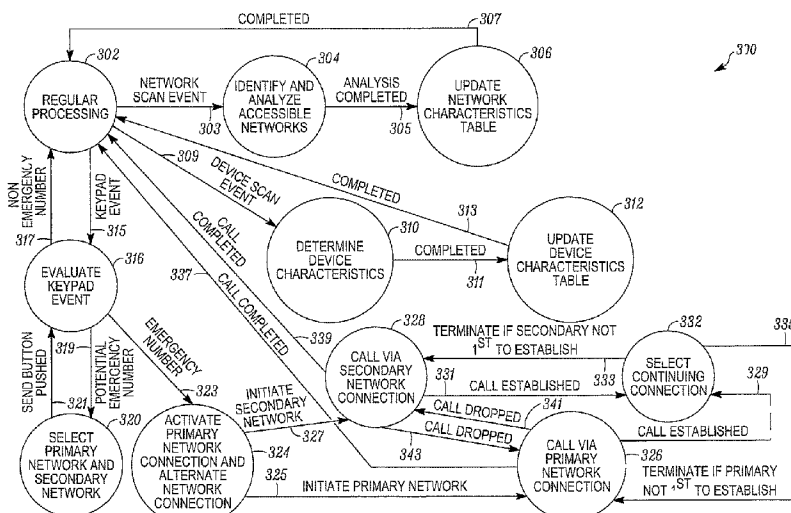
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(54) Title: METHOD AND APPARATUS FOR CALLING VIA SELECTED NETWORKS



(57) Abstract: A device includes a wireless communication interface configured to couple to a plurality of networks, a processor coupled to the wireless communication interface, and a memory coupled to the processor. The memory is to store a set of executable instructions configured to manipulate the processor to determine a set of characteristics (303, 304, 305, 306) for each wireless network of a set of accessible wireless networks and determine (320) a select wireless network of the set of accessible wireless networks based on a comparison of a set of characteristics of the device (309, 310, 311, 312, 313) to the set of characteristics for each wireless network of the set of accessible wireless networks. The set of executable instructions further are configured to manipulate the processor to initiate a telephone call via the select wireless network (325, 326, 327, 328).

WO 2008/027627 A1

AMENDED CLAIMS

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1. A method comprising:

determining a set of characteristics for each wireless network of a plurality of wireless networks accessible by a wireless telephonic device, the set of characteristics for a wireless network including a power requirement for communicating with the
5 wireless network;

determining a first select wireless network of the plurality of wireless networks based on a comparison of a set of characteristics of the wireless telephonic device to the set of characteristics of each wireless network of the plurality of wireless networks, the set of characteristics of the wireless telephonic device including a
10 remaining battery power of the wireless telephonic device; and

initiating, at the wireless telephonic device, a first telephone call via the first select wireless network.

2. The method of claim 1, wherein the set of characteristics of the wireless telephonic device further comprises at least one of: a current location and a velocity of the
15 wireless telephonic device.

3. The method of claim 1, wherein the set of characteristics of each wireless network further comprises at least one of: a signal-to-noise ratio; emergency calling services support; and a velocity capability of the wireless network.

4. The method of claim 1, wherein determining the first select wireless network of the plurality of wireless networks comprises selecting as the first select wireless network a wireless network of the plurality of wireless networks having a set of characteristics most compatible with the set of characteristics of the wireless telephonic device.
- 5 5. The method of claim 1, wherein determining the first select wireless network of the plurality of wireless networks comprises:
- determining a score for each wireless network based on a sum of values, each value representative of a degree of compatibility between a characteristic of the wireless network with a corresponding characteristic of the wireless telephonic
- 10 device; and
- selecting as the first select wireless network a wireless network having the highest ranking score.
6. The method of claim 5, further comprising:
- weighting a score of a default wireless network for non-emergency calling of
- 15 the plurality of wireless networks.
7. The method of claim 1, further comprising:
- determining a second select wireless network of the plurality of wireless networks; and
- initiating, at the wireless telephonic device, a second telephone call via the
- 20 second select wireless network concurrently with the first telephone call.

8. The method of claim 7, further comprising:

continuing as a connected telephone call a first one of the first telephone call or the second telephone call to establish a connection; and

5 terminating a second one of the first telephone call or the second telephone call to establish a connection.

9. The method of claim 8, further comprising:

initiating, at the wireless telephonic device, a third telephone call via the first select wireless network and a fourth telephone call via the second select wireless network concurrent with the third telephone call in response to an unintended

10 termination of the connected telephone call.

10. The method of claim 7, wherein:

the first select wireless network comprises a first network type, the first network type comprising one of: a wide area network; a metropolitan area network; a local area network; or a personal area network; and

15 the second select wireless network comprises a second network type different than the first network type.

11. The method of claim 1, wherein the first telephone call comprises an emergency telephone call.

12. A method comprising:

receiving user input indicating an emergency telephone call is to be made at a wireless telephonic device;

determining a remaining battery power of the wireless telephonic device;

5 determining, for each wireless network of a plurality of wireless networks available to the wireless telephonic device, a power requirement for communicating with the wireless network;

determining a first network of the plurality of wireless networks based on the remaining battery power of the wireless telephonic device and the power

10 requirements;

determining a second network of the plurality of wireless networks, the second network of a different network type than the first network;

initiating a first emergency telephone call from the wireless telephonic device via each of the first network and the second network; and

15 disconnecting the second one of the first network or the second network to establish the emergency telephone call.

13. The method of claim 12, further comprising:

reinitiating the emergency telephone call from the wireless telephonic device via at least one of the first network or the second network in response to an

20 unintended termination of the emergency telephone call.

14. The method of claim 12, wherein:

receiving user input indicating an emergency telephone call comprises receiving user input indicating a first character entry of an emergency telephone number;

5 determining the first network comprises determining the first network in response to receiving the user input indicating a character entry of an emergency telephone number; and

determining the second network comprises determining the second network in response to receiving the user input indicating a character entry of an emergency
10 telephone number.

15. The method of claim 12, wherein determining the first wireless network comprises selecting the first wireless network from a plurality of wireless networks based on a comparison of a set of characteristics of the wireless telephonic device to a set of communication characteristics of each wireless network of the plurality of
15 wireless networks, the set of characteristics of the wireless telephonic device including the remaining battery power and the set of communication characteristics of a wireless network including the power requirement for communicating with the wireless network.