required for the vehicle to reach a refueling station), as shown at reference numeral 21.

[0032] It is to be understood that the position of the vehicle 12 may be monitored using the location detection system 24 operatively disposed in the vehicle 12. The position of the vehicle 12 may be monitored substantially continuously or at predetermined time intervals.

[0033] Some vehicle systems 16 and/or the call center 46 are capable of monitoring the vehicle fuel conditions. Non-limitative examples of such fuel conditions include remaining fuel level, fuel usage rate (fuel usage per unit distance traveled), and/or the like, and/or combinations thereof.

[0034] In an embodiment, the system(s) 16 monitor the fuel conditions, such as a remaining fuel quantity. The data collected by the system(s) 16 is then transmitted to the vehicle communications network 14, which in turn communicates such data to the telematics unit 18. The telematics unit 18 communicates the data to the call center 46 via the other components in the system 10. The call center 46 may monitor other fuel conditions using the data and other data retrieved. For example, the call center 46 may use the fuel level data and vehicle speed to calculate the fuel usage rate (i.e. the rate at which the vehicle 12 is currently using fuel). In an alternate embodiment, the processor 20 is capable of monitoring the fuel conditions.

[0035] Using the data regarding the fuel condition(s), an off-board system (e.g. the call center 46) or the on-board processor 20 is capable of determining a remaining driving distance. It is to be understood that the remaining driving distance is indicative of the mileage that the vehicle 12 may travel with the current fuel level and at the current fuel usage rate. It is to be further understood that the mileage is representative of actual driving distances by highways and streets available to the user. As previously stated, the remaining driving distance may be continuously monitored and updated.

[0036] The remaining driving distance may be presented to the user via audible prompts, digital displays (non-limitative examples of which include a multi-function display (MFD), an LCD display, a driver information center display, a radio display, an arbitrary text device, and/or combinations thereof), and/or combinations thereof.

[0037] The method further includes monitoring the thencurrent position of the vehicle 12 and providing the user with a location of (and/or directions to) at least one refueling station within the remaining driving distance of the vehicle 12. It is to be understood that the method includes determining a driving distance to the refueling stations that are within the remaining driving distance.

[0038] The call center 46 is capable of accessing a database of the locations of refueling stations and then determining the refueling stations within the remaining driving distance of the vehicle 12. The call center 46 may communicate the location(s) of the refueling stations to the user via the telematics unit 18. In an alternate embodiment, the on-board processor 20 is capable of accessing a database of locations of refueling stations and determining whether the refueling stations are within the remaining driving distance, and providing the locations of the refueling stations to the user. It is to be understood that the refueling station loca-

tion(s) may be presented to the driver using audio prompts and/or display systems, such as those described hereinabove.

[0039] In any of the embodiment(s) disclosed herein, the call center 46 and/or the on-board processor 20 may additionally check the hours of operation for fueling stations and exclude those that are closed at the then-current time.

[0040] It is to be understood that the locations, operating hours, type(s) of fuel sold/dispensed, and/or any other relevant data regarding fueling stations may be substantially regularly updated to the vehicle 12 using components of the system 10 that are linked to, for example, a central repository of fueling station data that has the ability to respond relatively quickly to a request to download data. The vehicle's location detection system 24 may provide its location, and the vehicle's systems 16 may provide the estimated remaining driving distance, fuel type, and optionally the last time the database was updated. The central repository would download (for example, to an on-board computer 20 having monitoring, computational, decision making, and communication capabilities) the location of the appropriate refueling stations within the current driving range, taking into account a designated or predetermined margin for error. In a non-limitative example where the vehicle 12 remains in the same area that it was in at the last update, new station locations may be downloaded.

[0041] Further, the distance from the then-current vehicle position to any of the locations of the refueling stations within the remaining driving distance may be continuously monitored. Actual driving distance/range of the vehicle 12 may be altered by changes in weather conditions, changes in road conditions (e.g. rural versus city driving, or mountainous versus flat roads), changes in the route stored in the navigation system, and/or the like. In a non-limitative example, if the road or weather conditions slow a driver down, or if the driver is re-routed due to a detour, fuel usage rate may change, thus altering the remaining driving distance/range and potentially altering the fueling locations within the remaining driving distance.

[0042] In an embodiment, the fuel station locations provided to the user may be particular to that user and/or vehicle. For example, the call center 46 may have on file that the vehicle 12 requires diesel fuel, and thus will provide to the user the location of fueling stations that sell diesel fuel. Alternately, the vehicle 12 may identify the required fuel type when a fueling station location update is requested or performed.

[0043] Upon being presented with various fueling station locations, the user may proceed to any refueling station selected from a list of suitable available alternatives (if any). The user may also initiate a navigation route request to a particular station. Initiation of the request may be verbal and/or via a physical motion. As such, an input system (used to initiate such a request) may include an alphanumeric keypad, a microphone 28, a menu selection system, and/or combinations thereof.

[0044] Verbal communication may take place via microphone 28 coupled to the in-vehicle or mobile phone 32 associated with the telematics unit 18. Caller utterances into the microphone 28 are received at a call center 46, which tokenizes the utterance stream for further processing. In one embodiment, the tokenized utterances are placed in a subscriber information database 52 at the call center 46.