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TITLE OF THE INVENTION

Systems and Methods for Calculating and Offsetting Personal Carbon Generation

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] [Not Applicable]

### DETAILED DESCRIPTION OF THE INVENTION

[0010] Figure 1 illustrates a block diagram of a system for calculating and offsetting personal carbon generation 100 according to an embodiment of the present invention. The system for calculating and offsetting personal carbon generation 100 includes a weight scale 110, a household energy usage monitoring device 120, a vehicular travel monitoring system 130, a computing device 140, a household energy usage monitoring device server 150, a server 160, and carbon offset entities 170. The computing device 140 includes a data calculation utility 143 and a display device 145. The server 160 includes computer readable storage 162, a user account 165, a carbon output determination system 168, and a carbon offset selection system 169.

[0011] In the system for calculating and offsetting personal carbon generation 100, the weight scale 110 is in bidirectional communication with the computing device 140. The data calculation utility 143 is an installed application on the computing device 140. The display device 145 is electrically coupled to the computing device 140. Also, the computing device 140 is in bidirectional communication with the server 160. The computer readable storage 162 is in bidirectional communication with the user account 165. The computer readable storage 162 is also in bidirectional communication with the carbon output determination system 168. The computer readable storage 162 is also in bidirectional communication with the carbon offset selection system 169. The household energy usage monitoring device 120 is in bidirectional communication with the household energy usage monitoring device server 150. The household energy usage monitoring device server 150 is in bidirectional communication with the server 160. The vehicular travel monitoring system 130 is in bidirectional communication with the server

*What does the computer send to the scale?  
 10-140 first  
 before talking to server?  
 Why not operate generator?  
 130*

160. The carbon offset selection system 169 is in bidirectional communication with the carbon offset entities 170.

[0012] In operation, data representing measurements obtained from the weight scale 110 are provided to the data calculation utility 143. The data representing measurements obtained from the weight scale 110 are then calculated<sup>3</sup> by the data calculation utility 143 in a series of steps. The data calculation utility 143 operates on the received data representing measurements obtained from the weight scale 110 to determine if there is a difference between the current weight provided and the weight which was most recently previously transmitted. When a positive difference in weight is detected, this difference is added to the total weight and is transmitted to the server 160. This data representing a change in the total weight is stored on the computer readable storage 162 located in the server 160. When the server 160 receives data representing the change in weight of household waste measured from the weight scale 110, the carbon output determination system 168 generates data representing the corresponding amount of carbon generated by the weight scale 110. This data representing the corresponding amount of carbon generated by the weight scale 110 is then sent to the computer readable storage 162. Upon receiving the data representing the corresponding amount of carbon generated, the data representing the corresponding amount of carbon generated by the weight scale 110 is then sent to the user account 165.

[0013] In further operation, data representing measurements obtained from the household energy usage monitoring device 120 is provided to the household energy usage monitoring device server 150. Upon configuring the server to automatically transmit the data representing measurements obtained from the household energy usage monitoring

*Need more explanation but you probably have it later*

*Would it be clearer then w/ separate figs? 3 in + 1 offset? ~~3 in~~ w/ offset - 3 in + 1 offset? ~~3 in~~ w/ offset - 3 in + 1 offset? ~~3 in~~ w/ offset - 3 in + 1 offset?*

device 120 (as seen below in Figure 7), data representing measurements obtained from the household energy usage monitoring device 120 is sent from the household energy usage monitoring device server 150<sup>to 160</sup> and is stored on the computer readable storage 162 located in the server 160. This data representing the measurements obtained from the household energy usage monitoring device 120 is then sent to the carbon output determination system 168. Upon receiving the data representing measurements obtained from the household energy usage monitoring device 120, the carbon output determination system 168 generates data representing the corresponding amount of carbon generated based on the measurements obtained from the household energy usage monitoring device 120. This data representing the corresponding amount of carbon generated by household energy usage monitoring device 120 is then sent to the computer readable storage 162. Upon receiving the data representing the corresponding amount of carbon generated, the data representing the corresponding amount of carbon generated from measurements obtained from the household energy usage monitoring device 120 is then sent to the user account 165.

**[0014]** In further operation, data representing measurements obtained from the vehicular travel monitoring device 130 is provided to the server 160. This data representing measurements obtained from the vehicular travel monitoring device 130 is then stored on the computer readable storage 162. This data representing measurements obtained from the vehicular travel monitoring device 130 is then sent to the carbon output determination system 168. Upon receiving the data representing measurements obtained from the vehicular travel monitoring device 130, the carbon output determination system 168 generates data representing the corresponding amount of carbon measured by the

vehicular travel monitoring device 130. This data representing the corresponding amount of carbon generated from measurements obtained from the vehicular travel monitoring device 130 is then sent to the computer readable storage 162. Upon receiving the data representing the corresponding amount of carbon generated, the data representing the corresponding amount of carbon generated from measurements obtained from the vehicular travel monitoring device 130 is then sent to the user account 165.

[0015] In further operation, data representing the corresponding amount of carbon generated by the weight scale 110, data representing the corresponding amount of carbon generated from measurements obtained from the household energy usage monitoring device 120, and data representing the corresponding amount of carbon generated from measurements obtained from the vehicular travel monitoring device 130 is sent to the carbon offset selection system 169. After receiving the data representing the corresponding amount of carbon generated by the weight scale 110, data representing the corresponding amount of carbon generated from measurements obtained from the household energy usage monitoring device 120, and data representing the corresponding amount of carbon generated from measurements obtained from the vehicular travel monitoring device 130, the system communicates with carbon offset entities 170, and selects appropriate carbon offset entities 170 to offset the amount of carbon generated as determined by the carbon output determination system 168. This data is then transmitted to the server 160, and stored on the computer readable storage 162. This data is then sent to the user account 165.

*data is added when  
user selects offset  
entity*

[0016] In further operation, when the user accesses the user account 165 as seen below in Figure 13 through the display 145 connected to the computing device 140, the

user can view the data representing the corresponding amount of carbon generated by the weight scale 110, data representing the corresponding amount of carbon generated from measurements obtained from the household energy usage monitoring device 120, and data representing the corresponding amount of carbon generated from measurements obtained from the vehicular travel monitoring device 130, as well as the data representing appropriate carbon offset entities 170 to offset the amount of carbon generated as determined by the carbon output determination system 168. The user then has the opportunity to purchase appropriate carbon offset entities 170 at this time.

[0017] The weight scale 110 will also communicate directly to the data calculation utility 143 installed onto the computing device 140. From here, data representing measurements obtained from the weight scale 110 are received by the data calculation utility 143 installed onto the computing device 140 and calculations in differences in weight (as seen below in Figure 3) are performed on the computing device 140. This data is then sent to the computer readable storage 162, which transmits the data to the user account 165.

*Right now you are probably using you started there.*

[0018] In a preferred embodiment, the user will set up the purchase of carbon offset entities 170 to occur automatically through the user account 165.

[0019] In an alternative embodiment, the weight scale 110 of Figure 1 will conduct an article-by-article analysis of all items in the trash receptacle to provide more accurate carbon output data.

*Wow! Incredible!*

[0020] In an alternative embodiment, the user does not have to use any of the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1. The user will

manually enter in values that the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1 automatically measure and communicate to the user account 165 of Figure 1.

[0021] Figure 2 illustrates a flow chart of a method for transmitting and monitoring data representing a weight measurement 200. First, at step 210, the weight is measured by the weight scale 110 of Figure 1.

[0022] Next, at step 220, the weight scale 110 of Figure 1 converts the weight measurement to data representing the weight measurement. The conversion occurs to communicate the data.

[0023] Next, at step 230, the data representing the weight measured on the weight scale 110 is communicated to the data calculation utility 143 of Figure 1 located on computing device 140 of Figure 1. This occurs by determining whether there is a communication between the scale 110 of Figure 1 and the computing device 140 of Figure 1. When there is a communication between the scale 110 of Figure 1 and the computing device 140 of Figure 1, the method for transmitting data proceeds to step 237. When there is not a communication between the scale 110 of Figure 1 and the computing device 140 of Figure 1, the method for transmitting data proceeds to step 235. The communicating is performed by transmitting the data.

[0024] Next, at step 235, the scale 110 of Figure 1 ~~will~~ wait for an elapsed time of one minute, then proceed to step 230.

[0025] Next, at step 237, the scale 110 of Figure 1 ~~will~~ communicate the data to the computing device.

[0026] Next, at step 240, the data calculation utility 143 of Figure 1 located on computing device 140 of Figure 1 receives the data representing the weight measured on the weight scale 110 of Figure 1.

[0027] Next, at step 250, the computing device 140 of Figure 1 communicates the data representing the weight measured on the weight scale 110 of Figure 1 to the server 160 of Figure 1 located on the server 160 of Figure 1. This occurs by determining whether there is a communication between the computing device 140 of Figure 1 and the server 160 of Figure 1. When there is a communication between the computing device 140 of Figure 1 and the server 160 of Figure 1, the method for transmitting data proceeds to step 257. When there is not a communication between the computing device 140 of Figure 1 and the server 160 of Figure 1, the method for transmitting data proceeds to step 255. The communicating is performed by transmitting the data.

*at somepoint, they need to be an account for the trash being expected*

[0028] Next, at step 255, the computing device 140 of Figure 1 ~~will~~ wait for an elapsed time of one minute, then proceed to step 250.

[0029] Next, at step 257, the computing device 140 of Figure 1 ~~will~~ communicate the data to the computing device.

[0030] Next, at step 260, the data representing the weight measured on the weight scale 110 of Figure 1 is received by the server 160 of Figure 1.

[0031] Next, at step 270, the computer readable storage 162 of Figure 1 stores the data representing the weight measured on the weight scale 110 of Figure 1. This is to allow for future access of the data



[0032] Next, at step 280, the data representing the weight measured on the weight scale 110 of Figure 1 is communicated to the computing device 140 of Figure 1 by the server 160 of Figure 1. The communicating is performed by the communicating device accessing the user account 165.

*Maybe want to cut off step  
just touch of step  
to get to the server?*

[0033] Next, at step 290, the display device 145 of Figure 1 displays the data communicated from the server 160 of Figure 1 to the computing device 140 of Figure 1. This is to allow a user to observe the data representing the weight measured on the weight scale 110 of Figure 1.

[0034] In a preferred embodiment, the communication between the scale 110 of Figure 1 and the computing device 140 of Figure 1 will occur through a Bluetooth device.

[0035] In another embodiment, the communication between the scale 110 of Figure 1 and the computing device 140 of Figure 1 will occur through a wired or wireless internet network.

*That looks like who monitoring alternator*

[0036] In another embodiment, the data representing the weight measured on the weight scale 110 of Figure 1 is communicated directly from the weight scale 110 of Figure 1 to the server 160 of Figure 1.

[0037] In another embodiment, the data representing the weight measured on the weight scale 110 of Figure 1 is automatically communicated to the data calculation utility 143 of Figure 1 located on computing device 140 of Figure 1 on a periodic basis of one time per minute.

[0038] Figure 3 illustrates a flow chart of a method of monitoring and updating the data representing weight measurements 300 taken from weight scale 110 of Figure 1.

*Did you find reader to put in your device where?*

First, at step 310, the weight scale 110 of Figure 1 periodically measures the weight of items placed thereupon.

[0039] Next, at step 320, the weight scale 110 of Figure 1 converts the weight measurement to data representing the weight measurement. The conversion occurs to communicate the data.

[0040] Next, at step 330, the weight scale 110 of Figure 1 communicates the data to the computing device 140 of Figure 1 as outlined in steps 230-240 of Figure 2 as seen above.

[0041] Next, at step 340, the data calculation utility 143 of Figure 1 compares the current data representing the weight measurement taken from weight scale 110 of Figure 1 with previous data representing the weight measurement taken from weight scale 110 of Figure 1. This is done through the computing device 140 of Figure 1 communicating with the data representing the weight measurement taken from weight scale 110 of Figure 1 located on the computer readable storage 162 of Figure 1 on server 160 of Figure 1. When there is a positive difference between the data representing the weight measurement taken from the weight scale 110 of Figure 1 of five or more pounds, the method of monitoring and updating the data representing weight measurements taken from weight scale 110 of Figure 1 proceeds to step 350. When there is not a difference between the data representing the weight measurement taken from the weight scale 110 of Figure 1 of five or more pounds, the method of monitoring and updating the data representing weight measurements taken from weight scale 110 of Figure 1 proceeds to step 345.

*should be alternative later*

[0042] Next, at step 345, the weight scale 110 of Figure 1 disregards the small change in weight measured and waits for an elapsed time of one minute, then proceeds to step 310. Weight measurements of less than five pounds are disregarded because they may be due to evaporation or measurement inconsistencies of the weight scale 110 of Figure 1.

*Not after 349, right?*

[0043] Next, at step 350, the data representing the weight measurement taken by the weight scale 110 of Figure 1 is communicated from the computing device 140 of Figure 1 to the server 160 of Figure 1 as outlined in steps 250-260 of Figure 2 as seen above.

*when?*

[0044] Next, at step 360, the difference between the current and past data representing the weight measurements taken from weight scale 110 of Figure 1 is added to the previous value of weight measured by the weight scale 110 of Figure 1.

[0045] Next, at step 370, the updated data representing the weight measurement taken from weight scale 110 of Figure 1 is stored on the computer readable storage 162 of Figure 1.

[0046] In a preferred embodiment, if the weight measured by weight scale 110 of Figure 1 is more than five pounds less than the previous measurement taken by weight scale 110 of Figure 1, this value ~~will~~ not be communicated to the server 160 of Figure 1, but will rather be disregarded by the data calculation utility 143 of Figure 1. Additionally, the data calculation utility 143 of Figure 1 will reset the weight to reflect the significant drop in weight measured by the weight scale 110 of Figure 1. An example of such a situation would be the measurement taken by weight scale 110 of Figure 1 after the trash has been removed from the weight scale.

*to zero?*

*need a table  
now clear by*

[0047] In another embodiment, the user is able to ‘zero’ the weight measurement of the trash through a command on in the data calculation utility 143 of Figure 1. This will allow the data calculation utility to solely measure the weight of the trash measured by weight scale 110 of Figure 1.

[0048] Figure 4 illustrates a block diagram of a system for transmitting and monitoring data representing a weight measurement 400. The system for transmitting and monitoring data representing a weight measurement 400 includes the weight scale 110 of Figure 1, the computing device 140 of Figure 1, and the server 160 of Figure 1. The weight scale 110 of Figure 1 further includes a weight measurement element 413, a measurement converting element 415 and a weight scale data communicating element 418. The computing device 140 of Figure 1 includes the data calculation utility 143 of Figure 1, the display device 145 of Figure 1, a first computing device data communicating element 441, and a second computing device data communicating element 444. The server 160 of Figure 1 includes the computer readable storage 162 of Figure 1, the user account 165 of Figure 1, the carbon output determination system 168, and a server data communicating element 463.

[0049] In the system for transmitting and monitoring data representing a weight measurement 400, the weight measurement element 413 of the weight scale 110 of Figure 1 provides measurements to the data converting element 415 of the weight scale 110 of Figure 1. Also, the data converting element 415 of the weight scale 110 of Figure 1 is in bidirectional communication with the weight scale data communicating element 418 of the weight scale 110 of Figure 1. The weight scale data communicating element 418 of the weight scale 110 of Figure 1 is in bidirectional communication with the first

computing device data communicating element 441 of the computing device 140 of Figure 1. The first computing device data communicating element 441 of the computing device 140 of Figure 1 provides data to the data calculation utility 143 of Figure 1. The data calculation utility 143 of Figure 1 provides data to the second computing device data communicating element 444 of the computing device 140 of Figure 1. The second computing device data communicating element 444 of the computing device 140 of Figure 1 is in bidirectional communication with the server data communicating element 463 of the server 160 of Figure 1. Also, the computing device 140 of Figure 1 is electronically coupled to the display 145 of Figure 1. The server data communicating element 463 of the server 160 of Figure 1 is in bidirectional communication with the computer readable storage 162 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is in bidirectional communication with the carbon output determination system 168 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is also in bidirectional communication with the user account 165 of the server 160 of Figure 1.

**[0050]** In operation, the weight measurement element 413 of the weight scale 110 of Figure 1 measures the weight of items placed thereupon. This measurement is then converted to data representing the measurement taken by the weight scale 110 of Figure 1 by the data converting element 415. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the weight scale data communicating element 418 of the weight scale 110 of Figure 1.

**[0051]** The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated by the weight scale communicating element 418 of the

weight scale 110 of Figure 1 to the first computing device data communicating element 441 of the computing device 140 of Figure 1. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the data calculating utility 143 of the computing device 140 of Figure 1. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the second computing device data communicating element 444 of the computing device 140 of Figure 1. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the server communication element 463 of the server 160 of Figure 1.

[0052] The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated by the server communicating element 463 of the server 160 of Figure 1 to the computer readable storage 162 of Figure 1 of the server 160 of Figure 1. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the user account 165 of Figure 1 of the server 160 of Figure 1 or the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1.

[0053] In further operation, the data representing a measurement taken by the weight scale 110 of Figure 1 is communicated from the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1 to the computer readable storage 162 of Figure 1 of the server 160 of Figure 1, where it is stored. The data representing a measurement taken by the weight scale 110 of Figure 1 is then communicated to the server communicating element 463 of the server 160 of Figure 1. The user then will use the display 145 of Figure 1 electronically linked to the computing device 140 of Figure 1 to access the user account 165 of Figure 1 and view the data representing a measurement taken by the weight scale 110 of Figure 1.

we will not stop w/ storage by now + talk about accessing at later ->

[0054] In a preferred embodiment, the weight scale is a HD-351BT wireless digital weight scale. ✓

[0055] In an alternative embodiment, the weight scale is a different weight scale provided by the user.

[0056] In a preferred embodiment, the weight scale data communicating element 418 of the weight scale 110 of Figure 1 is a Bluetooth transmitter and communicates with the first computing device data communicating element 441 of the computing device 140 of Figure 1 by a Bluetooth network. ✓

[0057] In an alternative embodiment, the weight scale data communicating element 418 of the weight scale 110 of Figure 1 is a wired or wireless internet transmitter and communicates with the first computing device data communicating element 441 of the computing device 140 of Figure 1 by a wired or wireless internet connection. ✓

[0058] In a preferred embodiment, the weight measurement element 413 of the weight scale 110 of Figure 1 takes weight measurements on a periodic basis, preferably one measurement every minute. In a preferred embodiment, the weight measurement element 413 of the weight scale 110 of Figure 1 provides data to the data converting element 415 of the weight scale 110 of Figure 1 on a periodic basis, preferably at a rate of one transmission per minute. In a preferred embodiment, the data converting element 415 of the weight scale 110 of Figure 1 provides data to the weight scale data communicating element 418 of the weight scale 110 of Figure 1 on a periodic basis, preferably at a rate of one transmission per minute. In a preferred embodiment, the weight scale data communicating element 418 of the weight scale 110 of Figure 1 provides data to the first computing device data communicating element 441 of the ✓

computing device 140 of Figure 1 on a periodic basis, preferably at a rate of one transmission per minute. In a preferred embodiment, the first computing device data communicating element will then provide data to the data calculating utility 143 of Figure 1 on a periodic basis, preferably at a rate of one transmission per minute.

**[0059]** In an alternative embodiment, the weight measurement element 413 of the weight scale 110 of Figure 1 takes weight measurements upon user command. In an alternative embodiment, the weight measurement element 413 of the weight scale 110 of Figure 1 provides data to the data converting element 415 of the weight scale 110 of Figure 1 upon user command. In an alternative embodiment, the data converting element 415 of the weight scale 110 of Figure 1 provides data to the weight scale data communicating element 418 of the weight scale 110 of Figure 1 upon user command. In an alternative embodiment, the weight scale data communicating element 418 of the weight scale 110 of Figure 1 provides data to the first computing device data communicating element 441 of the computing device 140 of Figure 1 upon user command. In an alternative embodiment, the first computing device data communicating element will then provide data to the data calculating utility 143 of Figure 1 upon user command.

**[0060]** In another preferred embodiment, the second computing device data communicating element 444 of computing device 140 of Figure 1 communicates with the server communicating element 463 of the server 160 of Figure 1 through a wireless or wired internet connection.

*True alternative?  
faster, fewer updates?*



**[0061]** In an alternative embodiment, the weight scale 110 of Figure 1 will conduct an article-by-article analysis of all items in the trash receptacle to provide more accurate carbon output data.

**[0062]** Figure 5 illustrates a flow chart of a method of monitoring and updating data representing household energy usage 500 taken from household energy usage monitoring device 120 of Figure 1. First, at step 510, the household energy usage monitoring device 120 of Figure 1 periodically measures the household energy usage.

**[0063]** Next, at step 520, the household energy usage monitoring device 120 of Figure 1 converts the energy usage measurement to data representing the energy usage measurement of the household energy usage monitoring device 120 of Figure 1. The conversion occurs to communicate the data.

**[0064]** Next, at step 530, the household energy usage monitoring device 120 of Figure 1 attempts to establish communication with the household energy usage monitoring device server 150 of Figure 1. When communication between the household energy usage monitoring device 120 of Figure 1 and the household energy usage monitoring device server 150 of Figure 1 does not occur, the method of monitoring and updating the data representing household energy usage 500 proceeds to step 535. When communication between the household energy usage monitoring device 120 of Figure 1 and the household energy usage monitoring device server 150 of Figure 1 does occur, the method of monitoring and updating the data representing household energy usage 500 proceeds to step 537.

**[0065]** Next, at step 535, the household energy usage monitoring device 120 of Figure 1 will wait an elapsed time of one minute, then proceed to step 530.

[0066] Next, at step 537, the household energy usage monitoring device 120 of Figure 1 will communicate the data to the computing device.

[0067] Next, at step 540, the data representing the energy usage measurement of the household energy usage monitoring device 120 of Figure 1 is received from the household energy usage monitoring device 120 of Figure 1 to the household energy usage monitoring device server 150 of Figure 1, where it is stored to a storage partition.

[0068] Next, at step 550, the household energy usage monitoring device server 150 of Figure 1 attempts to establish communication with the server 160 of Figure 1. When communication between the household energy usage monitoring device server 150 of Figure 1 and the server 160 of Figure 1 does not occur, the method of monitoring and updating the data representing household energy usage 500 proceeds to step 555. When communication between the household energy usage monitoring device server 150 of Figure 1 and the server 160 of Figure 1 does occur, the method of monitoring and updating the data representing household energy usage 500 proceeds to step 560.

*del fig*

[0069] Next, at step 555, the household energy usage monitoring device server 150 of Figure 1 will wait an elapsed time of one minute, then proceed to step 550.

[0070] Next, at step 560, the data representing the energy usage measurement taken by the household energy usage monitoring device 120 of Figure 1 is communicated from the household energy usage monitoring device server 120 of Figure 1 to the server 160 of Figure 1,

[0071] Next, at step 570, the data representing the energy usage measurement taken by the household energy usage monitoring device 120 of Figure 1 is stored on the

computer readable storage 162 of Figure 1, overwriting any previous data representing the energy usage measurement taken by the household energy usage monitoring device 120 of Figure 1.

[0072] In a preferred embodiment, the user ~~will~~ enter a command to make the data representing the energy usage measurement taken by the household energy usage monitoring device 120 of Figure 1 automatically be communicated from the household energy usage monitoring device server 150 of Figure 1 to the server 160 of Figure 1. This command is located on the internet website of the household energy usage monitoring device 120 of Figure 1.

[0073] In a preferred embodiment, the household energy usage monitoring device 120 of Figure 1 is the EnergyHub device. ✓

[0074] In an alternative embodiment, the household energy usage monitoring device 120 of Figure 1 is one of the devices listed at the internet website <<http://earth2tech.com/2009/04/14/10-energy-dashboards-for-your-home/>>. ✓

*2nd device  
page may be  
change*

[0075] In an alternative embodiment, the household energy usage monitoring device 120 of Figure 1 ~~will~~ measure the energy usage and communicate the data representing the measurements only when prompted to do so by the user.

[0076] Figure 6 illustrates a block diagram of a system for monitoring and updating data representing household energy usage 600 taken from household energy usage monitoring device 120 of Figure 1. The system for monitoring and updating data representing household energy usage 600 includes the household energy usage monitoring device 120 of Figure 1, the household energy usage monitoring device server

*will not  
just local  
- monitor at  
3 later*

150 of Figure 1, the server 160 of Figure 1, and the computing device 140 of Figure 1. The household energy usage monitoring device 120 of Figure 1 further includes an energy usage measurement element 623, a measurement converting element 625 and a household energy usage monitoring device data communicating element 628. The household energy usage monitoring device server 150 of Figure 1 includes a household energy usage monitoring device server data communicating element 653 and a data storage element 655. The server 160 of Figure 1 includes the computer readable storage 162 of Figure 1, the user account 165 of Figure 1, the carbon output determination system 168 of Figure 1, and a server data communicating element 463 of Figure 4. The computing device 140 of Figure 1 further includes the second computing device communicating element 444 of Figure 4, and the display 145 of Figure 1.

[0077] In the system for monitoring and updating data representing household energy usage 600, the energy usage measurement element 623 of the household energy usage monitoring device 120 of Figure 1 provides measurements to the data converting element 625 of the household energy usage monitoring device 120 of Figure 1. Also, the data converting element 625 of the household energy usage monitoring device 120 of Figure 1 is in bidirectional communication with the household energy usage monitoring device data communicating element 628 of the household energy usage monitoring device 120 of Figure 1. The household energy usage monitoring device data communicating element 628 of the household energy usage monitoring device 120 of Figure 1 is in bidirectional communication with the household energy usage monitoring device server data communicating element 653 of the household energy usage monitoring device server 150 of Figure 1. The household energy usage monitoring device server

data communicating element 653 of the household energy usage monitoring device server 150 of Figure 1 is in bidirectional communication with the data storage element 655 of the household energy usage monitoring device server 150 of Figure 1. The household energy usage monitoring device server data communicating element 653 of the household energy usage monitoring device server 150 of Figure 1 is in bidirectional communication with the server data communicating element 463 of the server 160 of Figure 1. The server data communicating element 463 of the server 160 of Figure 1 is in bidirectional communication with the computer readable storage 162 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is in bidirectional communication with the carbon output determination system 168 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is also in bidirectional communication with the user account 165 of the server 160 of Figure 1. The second computing device data communicating element 444 of Figure 4 is in bidirectional communication with the server communicating element 463 of Figure 4. The display device 145 of Figure 1 is electrically linked to the computing device 140 of Figure 4.

**[0078]** In operation, the energy usage measurement element 623 of the household energy usage monitoring device 120 of Figure 1 measures the amount of household energy consumed. This measurement is then converted to data representing the measurement taken by the household energy usage monitoring device 120 of Figure 1 by the data converting element 625. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the

household energy usage monitoring device data communicating element 628 of the household energy usage monitoring device 120 of Figure 1.

**[0079]** The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated by the household energy usage monitoring device communicating element 628 of the household energy usage monitoring device 120 of Figure 1 to the household energy usage monitoring device server data communicating element 653 of the household energy usage monitoring device server 150 of Figure 1. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the data storage element 655 of the household energy usage monitoring device server 150 of Figure 1. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the server communication element 463 of the server 160 of Figure 1.

**[0080]** The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated by the server communicating element 463 of the server 160 of Figure 1 to the computer readable storage 162 of Figure 1 of the server 160 of Figure 1. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the user account 165 of Figure 1 of the server 160 of Figure 1 and the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1.

**[0081]** In further operation the data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is communicated from the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1 to the

*you get it from the meter, in which case you would not typically need a City of June*

computer readable storage 162 of Figure 1 of the server 160 of Figure 1, where it is stored. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the server communicating element 463 of the server 160 of Figure 1. The user then will use the display 145 of Figure 1 electronically linked to the computing device 140 of Figure 1 to access the user account 165 of Figure 1 and view the data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1.

[0082] In a preferred embodiment, the household energy usage monitoring device 120 of Figure 1 is the EnergyHub device.

[0083] In an alternative embodiment, the household energy usage monitoring device 120 of Figure 1 is one of the devices listed at the internet website <http://earth2tech.com/2009/04/14/10-energy-dashboards-for-your-home/>.

[0084] In an alternative embodiment, the household energy usage monitoring device 120 of Figure 1 will measure the energy usage and communicate the data representing the measurements only when prompted to do so by the user, thus not automatically communicating the data from the household energy usage monitoring device server 150 of Figure 1 to the server 160 of Figure 1.

[0085] Figure 7 illustrates a ~~plan view~~ of the household energy usage monitoring device internet website 700. The internet website includes a login command 710, and an export to CarbonSaint command 720.

[0086] In operation, a user will ~~log~~ log into their household energy usage monitoring device account by engaging the login command 710. Upon logging into the household

*OK! This is pretty good as far as I'm concerned. I wanted people to be able to use the device but you would not typically need a City of June*

energy usage monitoring device account by engaging the login command 710, the user can chose to export the data representing measurements taken by the household energy usage monitoring device 120 of Figure 1 by engaging the export to CarbonSaint command 720.

[0087] In an alternative embodiment, a user will not need to log in to their account by engaging the login command 710 before exporting the data representing measurements taken by the household energy usage monitoring device 120 of Figure by engaging the export to CarbonSaint command 720.

[0088] Figure 8 illustrates a flow chart of a method of monitoring and updating data representing vehicular distance travelled 800 taken from vehicular travel monitoring system 130 of Figure 1. First, at step 810, the user initiates the tracking application located on the communicating device.

[0089] Next, at step 813 the user engages the tracking function of the tracking application, and begins driving to their destination.

[0090] Next, at step 816, the user halts the tracking function of the tracking application when the user reaches their destination.

[0091] Next, at step 820, the vehicular travel monitoring system 130 of Figure 1 measures the distance travelled using location-based software installed on the communicating device.

[0092] Next, at step 830, the vehicular travel monitoring device 130 of Figure 1 converts the distance travelled measurement to data representing the distance travelled



measurement of the vehicular travel monitoring system 130 of Figure 1. The conversion occurs to communicate the data.

[0093] Next, at step 840, the vehicular travel monitoring device 130 of Figure 1 attempts to establish communication with the server 160 of Figure 1. When communication between the vehicular travel monitoring device 130 of Figure 1 and the server 160 of Figure 1 does not occur, the method of monitoring and updating the data representing vehicular distance travelled 800 proceeds to step 845. When communication between the vehicular travel monitoring device 130 of Figure 1 and the server 160 of Figure 1 does occur, the method of monitoring and updating the data representing vehicular distance travelled 800 proceeds to step 847.

[0094] Next, at step 845, the vehicular travel monitoring device 130 of Figure 1 will wait an elapsed time of one minute, then proceed to step 840.

[0095] Next, at step 847, the vehicular travel monitoring device 130 of Figure 1 will communicate the data to the computing device.

[0096] Next, at step 850, the data representing the vehicular distance travelled measurement taken by the vehicular travel monitoring device 130 of Figure 1 is communicated from the vehicular travel monitoring device 130 of Figure 1 to the server 160 of Figure 1,

[0097] Next, at step 860, the data representing the vehicular distance travelled measurement taken by the vehicular travel monitoring device 130 of Figure 1 is stored on the computer readable storage 162 of Figure 1, overwriting any previous data

representing the energy usage measurement taken by the vehicular travel monitoring device 130 of Figure 1.

[0098] In a preferred embodiment, the vehicular travel monitoring device 130 of Figure 1 is an Apple iPhone, or another GPS-enabled smart phone. ✓

[0099] In a preferred embodiment, the vehicular travel monitoring device 130 of Figure 1 communicates with the server 160 of Figure 1 through network connection of the vehicular travel monitoring device 130 of Figure 1.

[00100] In an alternative embodiment, the vehicular travel monitoring device 130 of Figure 1 is a device embedded into the vehicle and utilizes its internal GPS system to track the miles driven and transmits this information to the server 160 of Figure 1. An example of such a device is the OnStar system.

[00101] In an alternative embodiment, Steps 810-850 of the method of monitoring and updating data representing vehicular distance travelled 800 are replaced by the user entering the actual gallons of gasoline consumed into the user account 165, as seen below in Figure 18

[00102] In an alternative embodiment, Steps 810-850 of the method of monitoring and updating data representing vehicular distance travelled 800 are replaced by the user entering the make and model of the car and manually entering the numbers of miles driven into the user account 165, as seen below in Figure 18 apud

[00103] In an alternative embodiment, the vehicular travel monitoring device 130 of Figure 1 communicates with the server 160 of Figure 1 through a wireless fidelity network. ✓

**[00104]** Figure 9 illustrates a block diagram of a system for monitoring and updating data representing vehicular travel 900 taken from vehicular travel monitoring device 130 of Figure 1. The system for monitoring and updating data representing vehicular travel 900 includes the vehicular travel monitoring device 130 of Figure 1, the server 160 of Figure 1, and the computing device 140 of Figure 1. The vehicular travel monitoring device 130 of Figure 1 further includes tracking application 933, a data converting element 935, a display device 936, and a vehicular travel monitoring device data communicating element 938. The server 160 of Figure 1 includes the computer readable storage 162 of Figure 1, the user account 165 of Figure 1, the carbon output determination system 168 of Figure 1, and a server data communicating element 463 of Figure 4. The computing device further includes the second computing device communicating element 444 of Figure 4, and the display device 145 of Figure 1.

**[00105]** In the system for monitoring and updating data representing vehicular travel 900, the display device 936 is electronically coupled to the vehicular travel monitoring device 130 of Figure 1. The tracking application 933 is installed on the vehicular travel monitoring device 130 of Figure 1. The tracking application 933 of the vehicular travel monitoring device 130 of Figure 1 provides measurements to the data converting element 935 of the vehicular travel monitoring device 130 of Figure 1. Also, the data converting element 935 of the vehicular travel monitoring device 130 of Figure 1 is in bidirectional communication with the vehicular travel monitoring device data communicating element 938 of the vehicular travel monitoring device 130 of Figure 1. The vehicular travel monitoring device data communicating element 938 of the vehicular travel monitoring device 130 of Figure 1 is in bidirectional communication with the

server data communicating element 463 of the server 160 of Figure 1. The server data communicating element 463 of the server 160 of Figure 1 is in bidirectional communication with the computer readable storage 162 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is in bidirectional communication with the carbon output determination system 168 of the server 160 of Figure 1. The computer readable storage 162 of the server 160 of Figure 1 is also in bidirectional communication with the user account 165 of the server 160 of Figure 1. The second computing device data communicating element 444 of Figure 4 is in bidirectional communication with the server communicating element 463 of Figure 4. The display device 145 of Figure 1 is electrically linked to the computing device 140 of Figure 4.

**[00106]** In operation, the display device 936 displays the tracking application 933 of the vehicular travel monitoring device 130 of Figure 1. The tracking application 933 of the vehicular travel monitoring device 130 of Figure 1 measures distance travelled by the vehicle. This measurement is then converted to data representing the measurement taken by the vehicular travel monitoring device 130 of Figure 1 by the data converting element 935. The data representing a measurement taken by the vehicular travel monitoring device 130 of Figure 1 is then communicated to the vehicular travel monitoring device data communicating element 938 of the vehicular travel monitoring device 130 of Figure 1.

**[00107]** The data representing a measurement taken by the vehicular travel monitoring device 130 of Figure 1 is then communicated by the vehicular travel monitoring device communicating element 938 of the vehicular travel monitoring device 130 of Figure 1 to the server communication element 463 of the server 160 of Figure 1.

**[00108]** The data representing a measurement taken by the vehicular travel monitoring device 130 of Figure 1 is then communicated by the server communicating element 463 of the server 160 of Figure 1 to the computer readable storage 162 of Figure 1 of the server 160 of Figure 1. The data representing a measurement taken by the vehicular travel monitoring device 130 of Figure 1 is then communicated to the user account 165 of Figure 1 of the server 160 of Figure 1 and the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1.

**[00109]** In further operation the data representing a measurement taken by the vehicular travel monitoring device 130 of Figure 1 is communicated from the carbon output determining system 168 of Figure 1 of the server 160 of Figure 1 to the computer readable storage 162 of Figure 1 of the server 160 of Figure 1, where it is stored. The data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1 is then communicated to the server communicating element 463 of the server 160 of Figure 1. The user then ~~will~~ use the display 145 of Figure 1 electronically linked to the computing device 140 of Figure 1 to access the user account 165 of Figure 1 and view the data representing a measurement taken by the household energy usage monitoring device 120 of Figure 1.

**[00110]** In a preferred embodiment, the vehicular travel monitoring device 130 of Figure 1 is an Apple iPhone, or another GPS-enabled smart phone.

**[00111]** In a preferred embodiment, the vehicular travel monitoring device 130 of Figure 1 communicates with the server 160 of Figure 1 through network connection of the vehicular travel monitoring device 130 of Figure 1.

**[00112]** In a preferred embodiment, the vehicular travel monitoring device 130 of Figure automatically communicates the data representing the distance traveled to the sever 160 of Figure 1.

**[00113]** In another embodiment, the vehicular travel monitoring device 130 of Figure 1 of the system for monitoring and updating data representing vehicular travel 900 is merely replaced by the user inputting the actual gallons of gasoline consumed in vehicular travel into the user account 165 of Figure 1.

**[00114]** In another embodiment, the vehicular travel monitoring device 130 of Figure 1 of the system for monitoring and updating data representing vehicular travel 900 is merely replaced by the user inputting the make and model, as well as the number of miles driven through vehicular travel into the user account 165 of Figure 1.

**[00115]** In another embodiment, the communication between the vehicular travel monitoring device data communicating element 938 and the server communicating element 463 of Figure 4 is through a wireless fidelity network.

**[00116]** Figure 10 illustrates a plan view of the tracking application 933 of Figure 9 of the vehicular travel monitoring device 130 of Figure 1 in authorization mode. The vehicular travel monitoring device 130 of Figure 1 includes display device 936 of Figure 9, and the tracking application 933 of Figure 9. The tracking application 933 of Figure 9 includes a user input section 1020.

*used!*

**[00117]** In the vehicular travel monitoring device 130 of Figure 1, the display device 936 of Figure 9 is in electronic communication with the vehicular travel monitoring device 130 of Figure 1. The display device 936 of Figure 9 is also in

electronic communication with the tracking application 933 of Figure 9. The user input section 1020 is in electrical communication with the vehicular travel monitoring device 130 of Figure 1. The vehicular travel monitoring device 130 of Figure 1 is in bidirectional communication with the server 160 of Figure 1.

**[00118]** In operation, when the tracking application 933 of Figure 9 is in input mode, a user inputs an identifying code in a series of steps. First, the display device 936 of Figure 9, which is preferably an LCD display, shows an “ENTER ACCOUNT CODE” message produced by the tracking application 933 of Figure 9. In response to reading the “ENTER ACCOUNT CODE” message, the user inputs an identifying code by inputting their account code into the user input section 1020 by pressing the screen of the display device 936 of Figure 9. After the user inputs the identifying code, tracking application 933 of Figure 9 generates data representing the identifying code and transmits the data representing the identifying code to the server 160 of Figure 1.

**[00119]** The display device 936 is also any suitable device including a LED, a plasma display, an electroluminescent display, or a vacuum fluorescent display tube.

**[00120]** The user input section 1020 is also any suitable user input devices such as a series of buttons and mechanical rotating dials.

**[00121]** In an alternative embodiment, the tracking application 933 of Figure 9 does not necessarily include the user input section 1020. Instead, the vehicular travel monitoring device 130 of Figure 1 includes a speaker with voice recognition which will be utilized by the tracking application 933 of Figure 9. The voice recognition is preferably implemented with a suitable combination of digital logic. In this embodiment, when a user speaks a pre-determined account code into the speaker, the tracking

application 933 of Figure 9 generates data representing the verbal identifying code and transmits the signal representing the identifying code to the server 160 of Figure 1.

**[00122]** In yet another embodiment, the tracking application 933 of Figure 9 does not necessarily include the user input section 1020. Instead, the vehicular travel monitoring device 130 of Figure 1 includes a biometric detection device with biometric data recognition which will be utilized by the tracking application 933 of Figure 9. The biometric data recognition is preferably implemented with a suitable combination of digital logic. The biometric detection device will also be any suitable biometric system including a retinal scanner, a finger print scanner, and a facial recognition scanner.

**[00123]** Figure 11 illustrates a plan view of the tracking application 933 of Figure 9 of the vehicular travel monitoring device 130 of Figure 1 in a first distance tracking mode. The vehicular travel monitoring device 130 of Figure 1 includes display device 936 of Figure 9, and the tracking application 933 of Figure 9. The tracking application 933 of Figure 9 includes a user input section 1120.

**[00124]** In the vehicular travel monitoring device 130 of Figure 1, the display device 936 of Figure 9 is in electronic communication with the vehicular travel monitoring device 130 of Figure 1. The display device 936 of Figure 9 is also in electronic communication with the tracking application 933 of Figure 9. The user input section 1120 is in electrical communication with the vehicular travel monitoring device 130 of Figure 1. The vehicular travel monitoring device 130 of Figure 1 is in bidirectional communication with the server 160 of Figure 1.

**[00125]** In operation, when the tracking application 933 of Figure 9 is in a first distance tracking mode, the display device 936 of Figure 9, which is preferably a LCD



display, shows a “PUSH TO BEGIN TRIP” message produced by the tracking application 933 of Figure 9. The “PUSH TO BEGIN TRIP” message produced by the tracking application 933 of Figure 9 is located on top of the input section 1120. In response to reading the “PUSH TO BEGIN TRIP” message, the user pushes the user input section 1120 by pressing the screen of the display device 936 of Figure 9. After the user pushes the input section 1120, tracking application 933 of Figure 9 begins to generate data representing the vehicular distance travelled.

**[00126]** In an alternative embodiment, data generated by the tracking application 933 of Figure 9 is communicated to the server 160 of Figure 1 continuously as the data is generated by the tracking application.

**[00127]** Figure 12 illustrates a plan view of the tracking application 933 of Figure 9 of the vehicular travel monitoring device 130 of Figure 1 in a stop distance tracking mode. The vehicular travel monitoring device 130 of Figure 1 includes display device 936 of Figure 9, and the tracking application 933 of Figure 9. The tracking application 933 of Figure 9 includes a user input section 1220.

**[00128]** In the vehicular travel monitoring device 130 of Figure 1, the display device 936 of Figure 9 is in electronic communication with the vehicular travel monitoring device 130 of Figure 1. The display device 936 of Figure 9 is also in electronic communication with the tracking application 933 of Figure 9. The user input section 1220 is in electrical communication with the vehicular travel monitoring device 130 of Figure 1. The vehicular travel monitoring device 130 of Figure 1 is in bidirectional communication with the server 160 of Figure 1.

[00129] In operation, when the tracking application 933 of Figure 9 is in a stop distance tracking mode, the display device 936 of Figure 9, which is preferably a LCD display, shows a "PUSH TO END TRIP" message produced by the tracking application 933 of Figure 9. The "PUSH TO END TRIP" message produced by the tracking application 933 of Figure 9 is located on top of the input section 1220. In response to reading the "PUSH TO END TRIP" message, the user pushes the user input section 1220 by pressing the screen of the display device 936 of Figure 9. After the user pushes the input section 1220, tracking application 933 of Figure 9 stops generating data representing the vehicular distance travelled and transmits the data representing the vehicular distance travelled to the server 160 of Figure 1 as seen in steps 840-850 of Figure 8.

[00130] In another embodiment, data representing the vehicular distance travelled generated by tracking application 933 of Figure 9 is not sent to the server 160 of Figure 1 until the user instructs the tracking application 933 of Figure 9 to do so.

[00131] Figure 13 illustrates a plan view of the entry screen 1300 of the user account 165 of Figure 1. As described above, the user account is located on the server 160 of Figure 1. The entry screen 1300 includes cutting carbon command 1310, carbon saint solution command 1312, forums command 1314, store command 1316, about command 1317, and latest news & notices command 1318, and account login command 1320.

[00132] In operation, a user will access a variety of information from the entry screen 1300. First, the user accesses their account by engaging the account login command 1320, which is explained in further detail in Figure 15 below. The account

*OK you have to be careful not to lose info even stuff that seems unimportant now - It may become important later*

*need ADS - text*

*or link?*

*even legend could be important*

*good*

login command 1320 then sends the user to the account home page 1400 as seen in further detail in Figure 14 below. <sup>Next</sup>, the user receives general information regarding the benefits of cutting carbon usage by engaging the cutting carbon command 1310. The user receives an overview of the systems and methods of calculating and offsetting personal carbon generation by engaging the carbon saint solution command 1312. The user receives a discussion board where the user can discuss specific topics and share tips for lowering carbon generation with other users by engaging the forums command 1314. The user purchases monitoring devices, as well as other products of interest by engaging the store command 1316. The user receives information about the corporation by engaging the about command 1317. Finally, the user accesses any updates and alerts by engaging the latest news & notices command 1318.

**[00133]** Figure 14 illustrates a ~~plan view~~ of the account home page 1400 of the user account 165 of Figure 1. As described above, the user account 165 of Figure 1 is located on the server 160 of Figure 1. The account home page 1400 includes the cutting carbon command 1310 of Figure 13, the carbon saint solution command 1312 of Figure 13, the forums command 1314 of Figure 13, the store command 1316 of Figure 13, the about command 1317 of Figure 13, the latest news & notices command 1318 of Figure 13, and the account login command 1320 of Figure 13, which were discussed in Figure 13. The account home page 1400 further includes an account setup command 1422, a monitoring control command 1424, a carbon footprint command 1426, and a carbon offset command 1428.

**[00134]** In operation, the user returns to the account home page 1400 of the user account 165 of Figure 1 by engaging the account login command 1320 of Figure 13

which is explained in further detail in Figure 15 below. Next, the user will set up their account by engaging the account setup command 1422. The user will access the monitoring control portion of the user account 165 of Figure 1 by engaging the monitoring control command 1424. The user will observe the amount of carbon generated by the user by engaging the carbon footprint command 1426. The carbon information from the monitoring devices is displayed on the carbon footprint page. Additionally, the data can be displayed for the user's household as a whole, or by each individual monitoring device. Finally, the user will access the carbon offsetting portion of the user account 165 by engaging the carbon offset command 1428.

**[00135]** In an alternative embodiment, the user compares their carbon generation with statistical information by engaging the carbon footprint command 1426. Also, the user is able to display trending data both as a household and on a device-by device basis by engaging the monitoring control command 1424.

**[00136]** Figure 15 illustrates a flow chart of a method for accessing user account 165 of Figure 1 1500 displayed on the display device 145 of Figure 1. First, at step 1510, the user engages the account login command 1320 of Figure 13.

**[00137]** Next, at step 1520, the user inputs their account credentials used to access their account.

**[00138]** Next, at step 1530, the user input data is communicated to the server 160 of Figure 1.

**[00139]** Next, at step 1540, the server 160 of Figure 1 attempts to verify the login information, by comparing the user input data to the credentials data stored on the server



160 of Figure 1. When the user input data does not match the credentials data, the method for accessing user account 165 of Figure 1 1500 proceeds to step 1545. When the user input data matches the credentials data, the method for accessing user account 165 of Figure 1 1500 proceeds to step 1550.

**[00140]** Next, at step 1545, the user is sent back to step 1540 to reattempt to access the user account 165 of Figure 1.

**[00141]** Next, at step 1550, when the server confirms that the user input data matches the credentials data, the server 160 of Figure 1 grants access to the user account 165 of Figure 1. ✓

**[00142]** Next, at step 1560, the server 160 of Figure 1 communicates the account home page 1400 of Figure 14 to the computing device 140 of Figure 1.

**[00143]** Next, at step 1570, the display device 145 of Figure 1 displays the account home page 1400 of Figure 14.

**[00144]** In an alternative embodiment, the user will opt to bypass steps 1520 to 1550 by opting to allow the server to automatically communicate the account home page 1400 of Figure 14 to the computing device 140 of Figure 1, which the display device 145 of Figure 1 will then display to the user.

**[00145]** Figure 16 illustrates ~~a plan view~~ of the account setup page 1600 of the user account 165 of Figure 1. As described above, the user account 165 of Figure 1 is located on the server 160 of Figure 1. The account setup page 1600 includes the cutting carbon command 1310 of Figure 13, the carbon saint solution command 1312 of Figure 13, the forums command 1314 of Figure 13, the store command 1316 of Figure 13, the about

command 1317 of Figure 13, and the account login command 1320 of Figure 13, which were discussed in Figure 13. The account setup page 1600 also includes an account information section 1610, and a device registration section 1620. The account information section 1610 includes a screen name command 1611, a location command 1613, a household statistics command 1614, a password command 1615, and a payment services command 1616. The device registration section 1620 includes a household waste scale command 1623, an energy hub command 1625, and a vehicle tracking command 1627.

[00146] In operation, the user will modify their user screen name linked to the user account 165 of Figure 1 by engaging the screen name command 1611. The user will provide the user account 165 of Figure 1 with information relating to the user's location by engaging the location command 1613. This is of use because the carbon output determination system 168 of Figure 1 will determine the source of power provided to determine a multiplier for converting power usage to a carbon output measurement. The user will view statistics representing the amount of carbon generated as measured by the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1 by engaging the household statistics command 1614. The user will modify their user password linked to the user account 165 of Figure 1 by engaging the password command 1615. The user will set up information regarding payments of carbon offsets by using credit card through engaging the payment services command 1616.

*For example*

[00147] In operation, the user will prepare the weight scale 110 of Figure 1 for communicating data representing measurements taken by the weight scale 110 of Figure

1 by engaging the household waste scale command 1623. This is further explained in ~~Figure 17~~ below. In operation, the user will prepare the household energy usage monitoring device 120 of Figure 1 for communicating data representing measurements taken by the household energy usage monitoring device 120 of Figure 1 by engaging the energy hub command 1625. This is further explained in Figure 7 above. In operation, the user will prepare the vehicular travel monitoring system 130 of Figure 1 for communicating data representing measurements taken by the vehicular travel monitoring system 130 of Figure 1 by engaging the vehicle tracking command 1627. This is further explained in (Figure 17) below.

[00148] In a preferred embodiment, the household statistics command 1619 will provide data that takes the form of a graph of the previous month's carbon generation on a day-by-day basis. If the user provides the number of people in the household to the household statistics command 1614, the data is displayed on a 'per person' basis. The graph displayed can display any one, two, or all variables representing carbon generation. Also, the user can change the time scale of data shown in the graph from one day to the entire duration of time that the account has been in existence.

[00149] Figure 17 illustrates a flow chart of a method for configuring the monitoring devices 1700. First, at step 1710, the user accesses the account setup page 1600 as seen in Figure 15.

[00150] Next, at step 1720, the user engages one of three commands: the household waste scale command 1623, the energy hub command 1625, and the vehicle tracking command 1627. When a user engages the household waste scale command 1623, the method for configuring the monitoring devices 1700 proceeds to step 1723.

When a user engages the energy hub command 1625, the method for configuring the monitoring devices 1700 proceeds to step 1725. When a user engages the vehicle tracking command 1627, the method for configuring the monitoring devices 1700 proceeds to step 1727.

**[00151]** Next, at step 1723, the user account installs the data calculation utility 143 of Figure 1 to the computing device 140 of Figure 1. This allows the data representing measurements from the weight scale 110 of Figure 1 to automatically be communicated to the server 160 of Figure 1. The data representing measurements from the weight scale 110 of Figure 1 can be automatically relayed because the user account automatically inserts the user's account information into the utility prior to installation onto the computing device 140 of Figure 1.

**[00152]** Next, at step 1725, the user account directs the user to the energy usage monitoring device internet website 700 of Figure 7. This allows the data representing measurements from the energy usage monitoring device 120 of Figure 1 to automatically be communicated to the server 160 of Figure 1. This process was explained in Figure 7 above.

**[00153]** Next, at step 1727, the user account installs the tracking application 933 of Figure 9 to the vehicular travel monitoring system 130 of Figure 1. This allows the data representing measurements from the vehicular travel monitoring system 130 of Figure 1 to automatically be communicated to the server 160 of Figure 1. The data representing measurements from the vehicular travel monitoring system 130 of Figure 1 can be automatically relayed because the user account 165 of Figure 1 displays the user's account information to be entered into the tracking application 933 of Figure 9.



[00154] In a preferred embodiment, when the user engages any of the household waste scale command 1623, the energy hub command 1625, and the vehicle tracking command 1627 and the devices have already been configured, the user account 165 of Figure 1 will instruct the user that the device is already configured. At this point, the user will have the option of continuing with the configuration process.

[00155] Figure 18 illustrates a ~~plan view~~ of the monitoring control page 1800 of the user account 165 of Figure 1. As described above, the user account 165 of Figure 1 is located on the server 160 of Figure 1. The monitoring control page 1800 includes the cutting carbon command 1310 of Figure 13, the carbon saint solution command 1312 of Figure 13, the forums command 1314 of Figure 13, the store command 1316 of Figure 13, the about command 1317 of Figure 13, and the account login command 1320 of Figure 13, which were discussed in Figure 13. The monitoring control page 1800 further includes a household waste section 1810, a vehicle usage section 1820, and a home energy usage section 1830. The household waste section 1810 includes a wireless scale command 1811, a household waste manual entry command 1812, a trash level 1 command 1813, a trash level 2 command 1814, and a trash level 3 command 1815. The vehicle usage section 1820 includes a vehicle year command 1821, a vehicle make command 1822, a vehicle model command 1823, a smart phone application command 1824, a gallons of fuel used command 1825, and a vehicular miles driven command 1826. The home energy usage section 1820 includes an energy hub command 1833 and a home energy usage manual entry command 1835.

[00156] In operation, the user decides which (if any) monitoring devices he or she wishes to utilize in determining their carbon output. The user engages the appropriate command to use that option in monitoring.

*specifying  
register it*

[00157] In the household waste section 1810, the user will opt to utilize the weight scale 110 of Figure 1 to provide data measurements representing the weight of household waste placed thereupon. To do this, the user engages the wireless scale command 1811. If the user has not configured the weight scale 110 of Figure 1 to automatically monitor the weight measured, the user account 165 of Figure 1 will display the account setup page 1600 so the user registers the weight scale 110 of Figure 1. When the weight scale 110 of Figure 1 is successfully registered with the user account 165 of Figure 1, and the user engages the wireless scale command 1811, the user account 165 of Figure 1 communicates to the carbon output determination system 168 of Figure 1 that data measurements representing the weight of household weight taken by the weight scale 110 of Figure 1 will be provided. Alternatively, the user will opt to manually enter data measurements representing the weight of household waste generated by the user. To do this, the user engages the household waste manual entry command 1812. When the user engages the household waste manual entry command 1812, the user account allows the user to manually enter the data measurements representing the weight of household trash directly into the user account 165 of Figure 1, which is then communicated to the carbon output determination system 168 of Figure 1.

[00158] Also in the household waste section 1810, the user will select their trash level by engaging the trash level 1 command 1815, trash level 2 command 1814, or trash level 3 command 1815. Engaging the trash level 1 command 1813 is appropriate for

users that consume substantial amounts of organic matter and high-end products that typically require more carbon to produce and ship. Engaging the trash level 2 command 1814 is appropriate for users that consume some organic matter and some high-end products. This is the setting that will most likely apply to a majority of users. Engaging the trash level 3 command 1815 is appropriate for users that consume no organic matter and few high end products. The trash level 3 command is for users that properly practice composing and fully abide by energy conservation principles.

*Need to have done  
determination of what the  
level goes to the carbon  
calculator*

[00159] In the vehicle usage section 1820, the user will ~~opt~~ to utilize the vehicular travel monitoring device 130 of Figure 1 to provide data measurements representing the distance travelled by vehicle. To do this, the user engages the smart phone application command 1824. If the user has not configured the vehicular travel monitoring device 130 of Figure 1 to automatically monitor and communicate the distance travelled, the user account 165 of Figure 1 will display the account setup page 1600 so the user registers the vehicular travel monitoring device 130 of Figure 1. When the vehicular travel monitoring device 130 of Figure 1 is successfully registered with the user account 165 of Figure 1, and the user engages the smart phone application command 1824, the user account 165 of Figure 1 communicates to the carbon output determination system 168 of Figure 1 that data measurements representing the distance travelled measurements taken by the vehicular travel monitoring device 130 of Figure 1 will be provided. The user must additionally provide vehicular characteristics by engaging the vehicle year command 1821, the vehicle make command 1822, and the vehicle model command 1823 by selecting the appropriate year, make and model of the user's vehicle.

✓

[00160] Alternatively, the user will opt to manually enter data measurements representing the amount of fuel consumed through the user's vehicular travel. The user does this in two ways. First, the user will engage the gallons of fuel used command 1825. When the user engages the manual entry command, the user account allows the user to manually enter the data measurements representing the number of gallons of fuel the user used through vehicular travel directly into the user account 165 of Figure 1, which is then communicated to the carbon output determination system 168 of Figure 1. *enter on?* Second, the user will engage the miles driven command 1826. When the user engages the miles driven command 1826, the user must additionally provide additional vehicular characteristics by engaging the vehicle year command 1821, the vehicle make command 1822, and the vehicle model command 1823 by selecting the appropriate year, make and model of the user's vehicle. The user account then allows the user to manually enter the data measurements representing the number of miles that user drove through vehicular travel directly into the user account 165 of Figure 1, which is then communicated to the carbon output determination system 168 of Figure 1.

[00161] In the home energy usage section 1830, the user ~~will~~ opt to utilize the household energy usage monitoring device 120 of Figure 1 to provide data measurements representing the amount of household energy consumed. To do this, the user engages the energy hub command 1833. If the user has not configured the household energy usage monitoring device 120 of Figure 1 to automatically monitor the household energy usage, the user account 165 of Figure 1 ~~will display~~ the account setup page 1600 so the user registers the household energy usage monitoring device 120 of Figure 1. When the household energy usage monitoring device 120 of Figure 1 is successfully registered with

the user account 165 of Figure 1, and the user engages the energy hub command 1833, the user account 165 of Figure 1 communicates to the carbon output determination system 168 of Figure 1 that data measurements representing the amount of household energy consumed taken by the household energy usage monitoring device 120 of Figure 1 will be provided. Alternatively, the user will opt to manually enter data measurements representing the amount of household energy consumed by the user. To do this, the user engages the home energy usage manual entry command 1835. When the user engages the home energy usage manual entry command 1835, the user account allows the user to manually enter the data measurements representing the amount of energy consumed by the user directly into the user account 165 of Figure 1, which is then communicated to the carbon output determination system 168 of Figure 1.

**[00162]** In a preferred embodiment, the user engages the wireless scale command 1811, the smart phone application command 1824, and the energy hub command 1833 to automatically measure and communicate the data representing the measurements taken by the devices to the server 160 of Figure 1

**[00163]** In an alternative embodiment, the user ~~will~~ not engage the wireless scale command 1811, the smart phone application command 1824, and the energy hub command 1833, but rather manually enter the data representing measurements taken by the devices to the server 160 of Figure 1.

**[00164]** Figure 19 illustrates a flow chart of a method for determining the carbon output 1900 based on data representing measurements taken on the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1. First, at step 1910, the carbon output

determination system 168 of Figure 1 receives data representing measurements taken on the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1 from the computer readable storage 162 of Figure 1 of the server 160 of Figure 1.

[00165] Next, at step 1920, the carbon output determination system 168 of Figure 1 takes the data representing measurements taken on the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1, and generates a carbon output amount representing the amount of carbon generated by the user's activities.

*or detailed where?*

[00166] Next, at step 1930, the carbon output determination system 168 of Figure 1 communicates the data representing the amount of carbon generated by the user's activities to the computer readable storage 162 of Figure 1.

[00167] Next, at step 1940, the data representing the amount of carbon generated by the user's activities is communicated to the user account 165 of Figure 1, where the values can be seen by engaging the carbon footprint command 1426 of Figure 14 of the user account 165 of Figure 1.

[00168] In a preferred embodiment, the carbon output determination system 168 of Figure 1 includes carbon calculator which automatically calculates the amount of carbon generated based on data obtained by the weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1. ✓

[00169] In an alternative embodiment, the carbon output determination system 168 of Figure 1 generates the carbon output data of measurements taken from weight scale 110 of Figure 1, the household energy usage monitoring device 120 of Figure 1, and the vehicular travel monitoring device 130 of Figure 1 through a series of numerical multipliers that modify the data to produce the carbon output of the device.

[00170] Figure 20 illustrates a plan view of carbon offset page 2000 of the user account 165 of Figure 1. As described above, the user account 165 of Figure 1 is located on the server 160 of Figure 1. The carbon offset page 2000 includes the cutting carbon command 1310 of Figure 13, the carbon saint solution command 1312 of Figure 13, the forums command 1314 of Figure 13, the store command 1316 of Figure 13, the about command 1317 of Figure 13, and the account login command 1320 of Figure 13, which were discussed in Figure 13. The carbon offset page 2000 further includes a remediation section 2010, a sequestering section 2020, and a select all section 2030. The remediation section 2010 includes a select command 2012, a company name display 2013, and a rate display 2014. The number of select commands 2012, company name displays 2013, and rate displays 2014 is based on the number of companies that are listed in the remediation section 2010. Each company listing has one select command 2012, company name display 2013, and rate display 2014. The sequestering section 2020 includes a select command 2022, a company name display 2023, and a rate display 2024. The number of select commands 2022, company name displays 2023, and rate displays 2024 is based on the number of companies that are listed in the sequestering section 2020. Each company listing has one select command 2022, company name display 2023, and rate display

*see fig*

*OK to keep Example amount & company names - lost some info here*

2024. The select all section 2030 includes a select command 2032, a display 2033, and a rate display 2034.

[00171] In the remediation section 2010, the company name display 2013 displays a company which provides remediation services. The rate display 2014 displays the corresponding cost to offset one ton of carbon. To select the preferred company, the user engages the select command 2012.

[00172] In the sequestering section 2020, the company name display 2023 displays a company which provides sequestering services. The rate display 2024 displays the corresponding cost to offset one ton of carbon. To select the preferred company, the user engages the select command 2022.

[00173] In the select all section 2030, the user has the ability to choose all of the companies listed on the carbon offset page 2000 by engaging the select command 2032.

[00174] After the user makes their selections by engaging the preferred select commands 2012, 2022, and 2032, the user will purchase the offsets.

[00175] In a preferred embodiment, the companies displayed in the company name displays 2013 and 2023 are charities or commercial companies.

[00176] In a preferred embodiment, if the saint selects multiple companies, they are directed to another screen that allows them to determine the percentages of the funds that each company will receive.

[00177] In a preferred embodiment, the user will purchase the offset automatically by a recurring transaction. In this recurring transaction, the user account 165 of figure 1

*3 Word search  
make sure you are not  
using it elsewhere*

*f*



automatically calculates the user's carbon output each month and automatically purchases a carbon offset for the corresponding carbon output.

[00178] In an alternative embodiment, the user will purchase the offset manually by entering the user's bank or credit card information into the user account 165 of Figure 1.

[00179] Figure 21 illustrates a flow chart of a method for generating revenue 2100. First, at step 2110, the user identifies revenue generating providers.

*need to porting the difference of revenue not a tech question*

[00180] Next, at step 2120, the type of service provided is determined. If the service is an advertisement provider, the method for generating revenue 2100 proceeds to step 2123. If the service is a user that purchases carbon offsetting services, the method for generating revenue 2100 proceeds to step 2125. If the service is a carbon remediating or sequestering service provider, the method for generating revenue 2100 proceeds to step 2127.

[00181] Next, at step 2123, the advertisement provider is assessed an advertisement fee for advertisements placed throughout the user account 165 of Figure 1. The method for generating revenue 2100 then proceeds to step 2130.

[00182] Next, at step 2125, the user that purchases carbon offsetting services is assessed a processing fee for completing the transaction. The method for generating revenue 2100 then proceeds to step 2130.

[00183] Next, at step 2127, the carbon remediating or sequestering service provider is assessed a listing fee for displaying their companies in the user account 165 of Figure 1. The method for generating revenue 2100 then proceeds to step 2130.

**[00184]** Next, at step 2130, the advertisement fees for advertisement providers, processing fees for the user's purchase of carbon offsetting services, and listing fees for the carbon remediating or sequestering service providers are all collected and transferred to a bank account.

**[00185]** In an alternative embodiment, revenue will also be generated through user purchases within the user account 165 of Figure 1. These transactions will occur when the user engages the store command 1316 of Figure 13.

**[00186]** Figure 22 illustrates a flow chart of a method for carbon offsetting 2200. First, at step 2210, the carbon offset selection system 169 of Figure 1 receives carbon output data from the carbon output determining system 168.

**[00187]** Next, at step 2220, the carbon offset selection system 169 of Figure 1 receives a set of data from a carbon offset entity 170 of Figure 1 that contains information representing the name of the offset provider, the type of carbon offset service provided, and the purchase price of the carbon offset service provided.

**[00188]** Next, at step 2230, the set of data from a carbon offset entity 170 of Figure 1 is communicated to the user account 160 of Figure 1 for the purposes of allowing the user to view the information representing the carbon offset entity 170 of Figure 1.

**[00189]** Next, at step 2240, the user account 160 of Figure 1 displays the carbon offset service through the user engaging the carbon offset command 1428 of Figure 14. This is seen above in Figure 20.



[00190] Next, at step 2250, the user selects the desired carbon offset service provided by the carbon offset entities 170 of Figure 1. This is further explained above in Figure 20.

[00191] Next, at step 2260, the user account 165 of Figure 1 displays a purchase price corresponding to the selected carbon offset service and the data representing the amount of carbon produced through measurements on the weight scale 110 of Figure 1, household energy usage monitoring system 120 of Figure 1, and vehicular travel monitoring system 130 of Figure 1.

[00192] Next, at step 2270, the user purchases the carbon offset service, thus offsetting their personal carbon output generation.

[00193] In a preferred embodiment, the user is able to select one or more services provided by carbon offset entities 170 of Figure 1. If the user selects more than one carbon offset service, the user will allocate corresponding percentages of their carbon output that they wish to each carbon offsetting service.

[00194] In an embodiment the user is able to set up the carbon offsetting so carbon offsetting services are automatically purchased based on the user's carbon output.

[System-wide alternatives if not yet covered]

[Validate invention – remind the reader of the shortcomings of the prior art that you pointed out in the Background section and explicitly explain how your invention corrects the defects in the prior art]

PROS - ~~solid~~ solid discussion + fairly clear & complete  
CONS - Some error in language & figures  
- could make some better choices  
- watch out for lots of inventor info - include additional fig  
- Claims ~~at~~ need work

**[00195]**                While particular elements, embodiments, and applications of the present invention have been shown and described, it is understood that the invention is not limited thereto because modifications may be made by those skilled in the art, particularly in light of the foregoing teaching. It is therefore contemplated by the appended claims to cover such modifications and incorporate those features which come within the spirit and scope of the invention.

CLAIMS

1. A method for transmitting and monitoring data representing a weight measurement, said method including:

measuring weight, wherein said measurement is performed on a measurement device containing a data transmitting element;

converting said weight measurement to data representing said weight measurement;

transmitting said data representing said weight from said measuring device to a computing device through a first communication system, wherein said computing device is in communication with a remote data storage device containing a communication element through a second communication system;

transmitting said data representing said weight from said measuring device from said computing device to said remote data storage device through said second communication system;

storing said data representing said weight from said measurement device on said remote data storage device;

transmitting said stored data from said measuring device from said remote data storage device to said computing device through said second communication system; and

displaying said data representing said weight measured from said measuring device through said computing device.

2. The method of claim 1 wherein said measuring device is a weight scale.

*skip*

*What is POW?  
store weights  
+ display?*

3. The method of claim 1 wherein said weight measurement represents the weight of household refuse generated through placing said household refuse into a garbage receptacle.
4. The method of claim 1 wherein said weight measurements are measured on a periodic basis.
5. The method of claim 1 wherein said data representing said weight measurement is transmitted through said first communication system to said computing device on a periodic basis.
6. The method of claim 1 wherein said first communication system is a Bluetooth network.
7. The method of claim 1 wherein said second communication system includes a wired or wireless computer network.
8. A system for transmitting and monitoring data representing weight measurements, said system including:

a measurement device, wherein said measurement device measures the weight of object placed thereupon, wherein said measurement device converts said weight measured to data representing said weight measurement, wherein said measurement device also includes a data transmitting element that transmits said data through a first communication network;

a computing device, wherein said computing device receives said data representing said weight measurement through said first communication network, wherein said computing device includes a data receiving element and a data

transmitting element that receives and transmits said data representing said weight measurement through a second communication network;

a remote data storage device, wherein said remote data storage device includes a data receiving element and a data transmitting element that receives and transmits said data representing said weight measurement through said second communication network; and

a displaying device for displaying said data representing said weight measurement transmitted from said remote data storage device through said second communication network to said computing device.

9. The system of claim 8 wherein said measurement device is a scale that measures said weight that represents the amount of household refuse generated through placing said household refuse into a garbage receptacle.
10. The system of claim 8 wherein said first communication network is a Bluetooth network.
11. The system of claim 8 wherein said second communication network includes a wired or wireless computer network.
12. The system of claim 8 wherein said scale measures said weight on a periodic basis.
13. The system of claim 8 wherein said scale transmits said data representing said weight measurements to said computing device through said first network on a periodic basis
14. A system for monitoring data representing fuel consumption generated through travel in an automotive vehicle, said system including;

*see above*

A data generating device for generating data representing the distance travelled by said automotive vehicle, wherein said handheld computing device includes a vehicular travel tracking application which measures the distance traveled through said travel in said automotive vehicle, a data transmitting element for transmitting said data representing the distance travelled by said automotive vehicle upon completion of the vehicular travel on a communication network;

*Same as above, ref. what is POW? try something new*

a remote data storage device for receiving, storing, and transmitting said data representing said distance traveled by said automotive vehicle through said communication network, wherein said remote data storage device stores said data representing said distance traveled by said automotive vehicle, wherein said remote data storage device transmits said data representing said distance traveled by said automotive vehicle; and

a user account, wherein said user account communicates with said remote data storage device, wherein said user account receives said data representing said distance travelled by said automotive vehicle through said communication network, wherein said user account displays said data representing said distance travelled by said automotive vehicle through said communication network on a computing device.

15. The system of claim 14 wherein said data generating device operates by manually inputting the actual gallons of gasoline consumed through said vehicular travel into said remote storage device.



16. The system of claim 14 wherein said data generating device operates by manually inputting the make and model of the vehicle, as well as the numbers of miles driven through said vehicular travel into said remote storage device.
17. The system of claim 14 wherein said data generating device is a cellular telephone, wherein said cellular telephone contains Global Positioning Software.
18. The system of claim 14 wherein said data generating device transmits said data representing said distance traveled by said automotive vehicle automatically to said remote data storage device upon completion of said automotive travel.
19. A method for carbon offsetting said method including:

receiving carbon output data, ~~wherein said carbon output data is communicated from a remote data storage device to a carbon offset selection system, wherein said carbon output data is generated by a carbon output determining system that calculates the amount of carbon generated by receiving data representing a measurement taken by a monitoring device, and performing a carbon output calculation;~~ *to do what?*

receiving a second set of data, wherein said second set of data is communicated from a carbon offset entity to said carbon offset selection system, wherein said second set of data represents data relating to a service provided by said carbon offset entity, wherein said data includes information regarding a purchase price of said service provided by said carbon offset entity;

*Remediation  
CARBON ~~OFFSET~~ COST DATA, wherein said COCA  
represents a cost per ton of a first  
remediation activity.*

displaying said carbon offset service, wherein said carbon offset service is displayed on an internet website, wherein said carbon offset service is selected by a user for purchase;

selecting said carbon offset service, wherein said selecting of said carbon offset service occurs on said internet website,

displaying a purchase price of said carbon offset service, wherein said purchase price of said carbon offset service is based on said carbon output data quantifying the amount of carbon generated by data representing a measurement taken by a monitoring device; and

purchasing said carbon offset service, wherein said purchasing offsets the user's household carbon output.

20. The method of claim 19 wherein said carbon offset service includes carbon remediation, carbon sequestering, carbon credits, and a combination thereof.
21. The method of claim 19 wherein said carbon offsetting automatically determines said offsetting service from a list of products based on said total amount of said carbon generated provided by said carbon output data and purchases said carbon offset service.
22. The method of claim 19 wherein said carbon offset service may be automatically purchased by a computing device based on user-inputtable criteria.
23. The method of claim 19 wherein said monitoring device includes a weight scale, a household energy usage monitoring device, and a vehicular travel monitoring device.

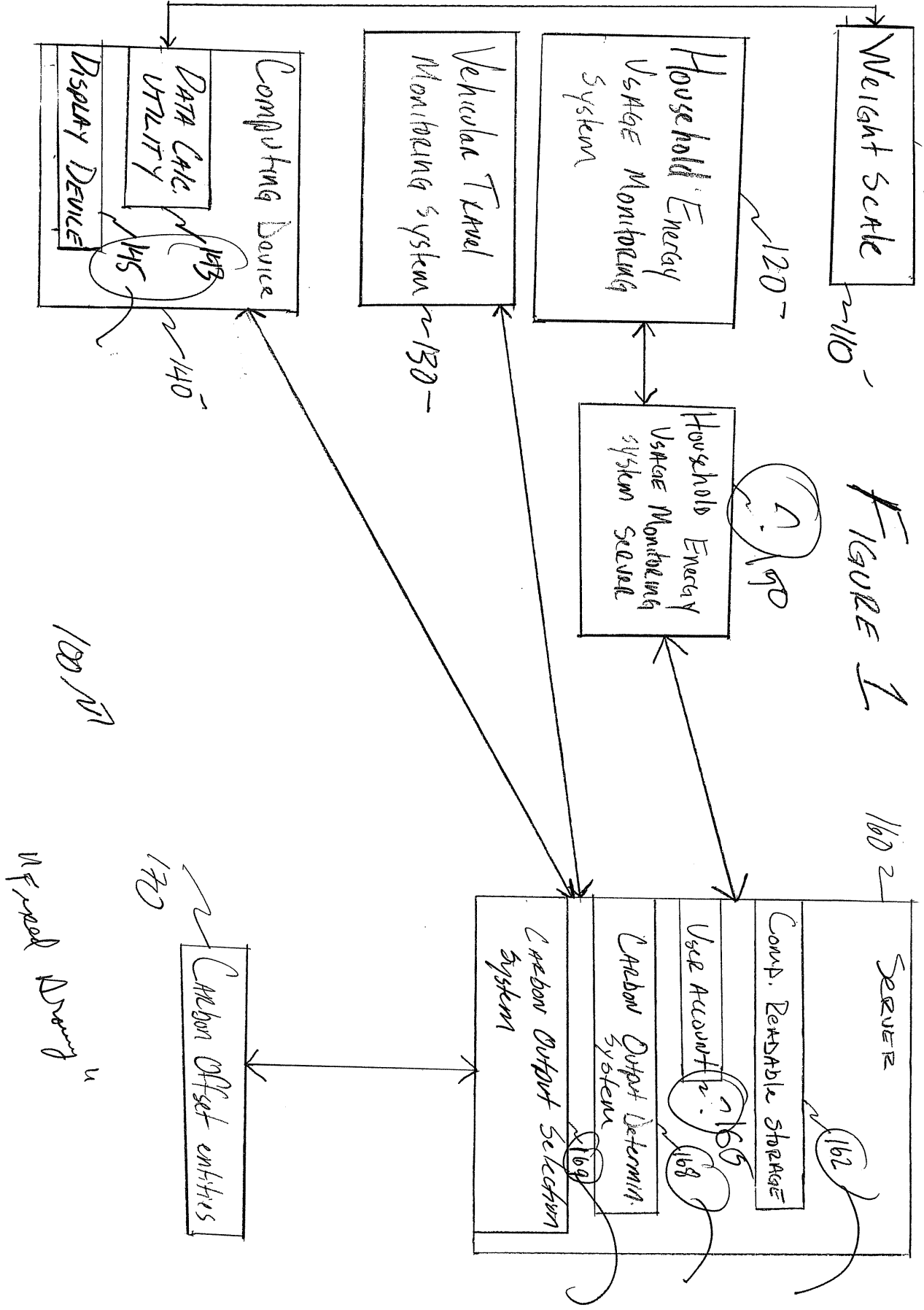


FIGURE 1

100 N

170 N  
169 N

FIGURE 2

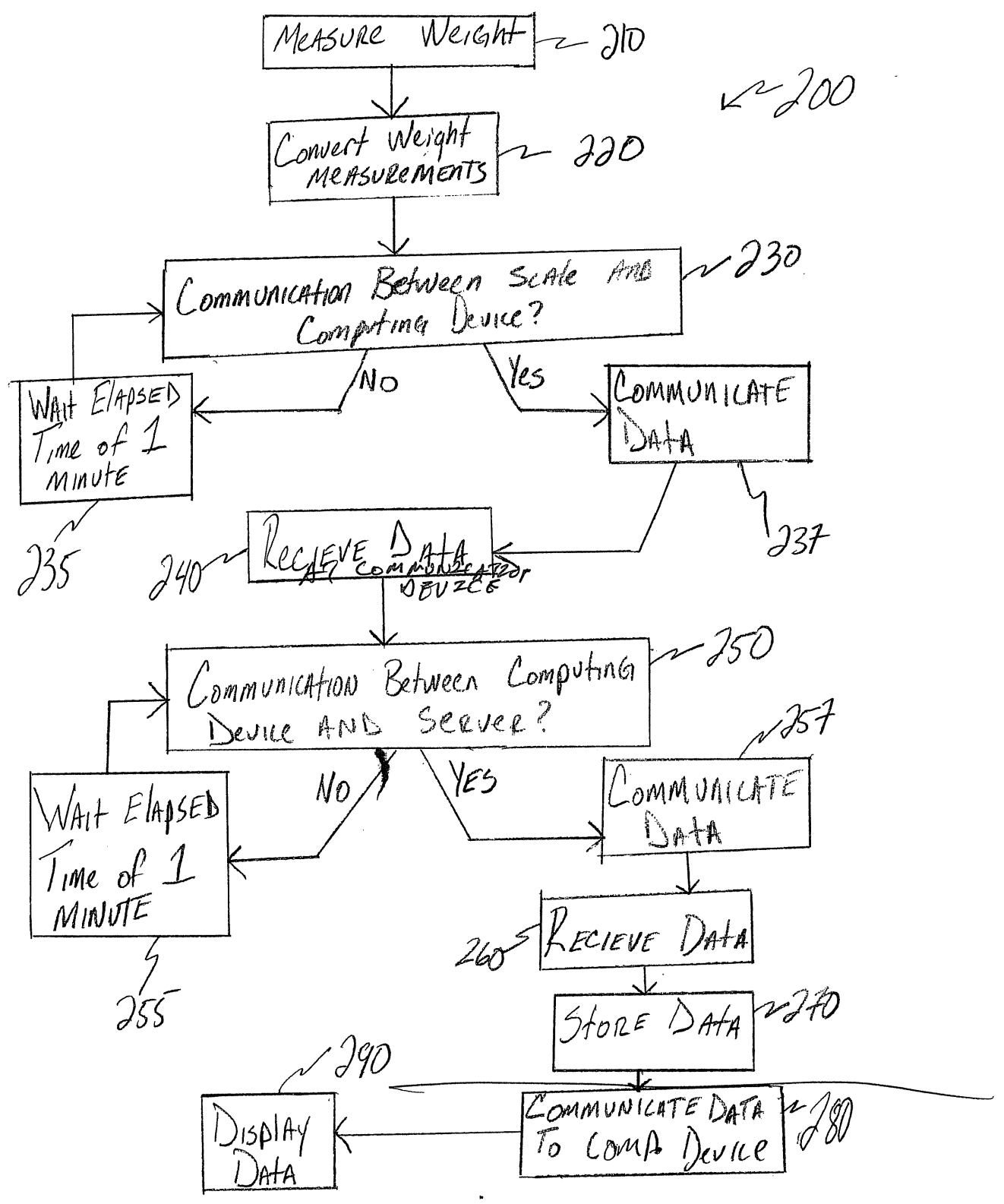
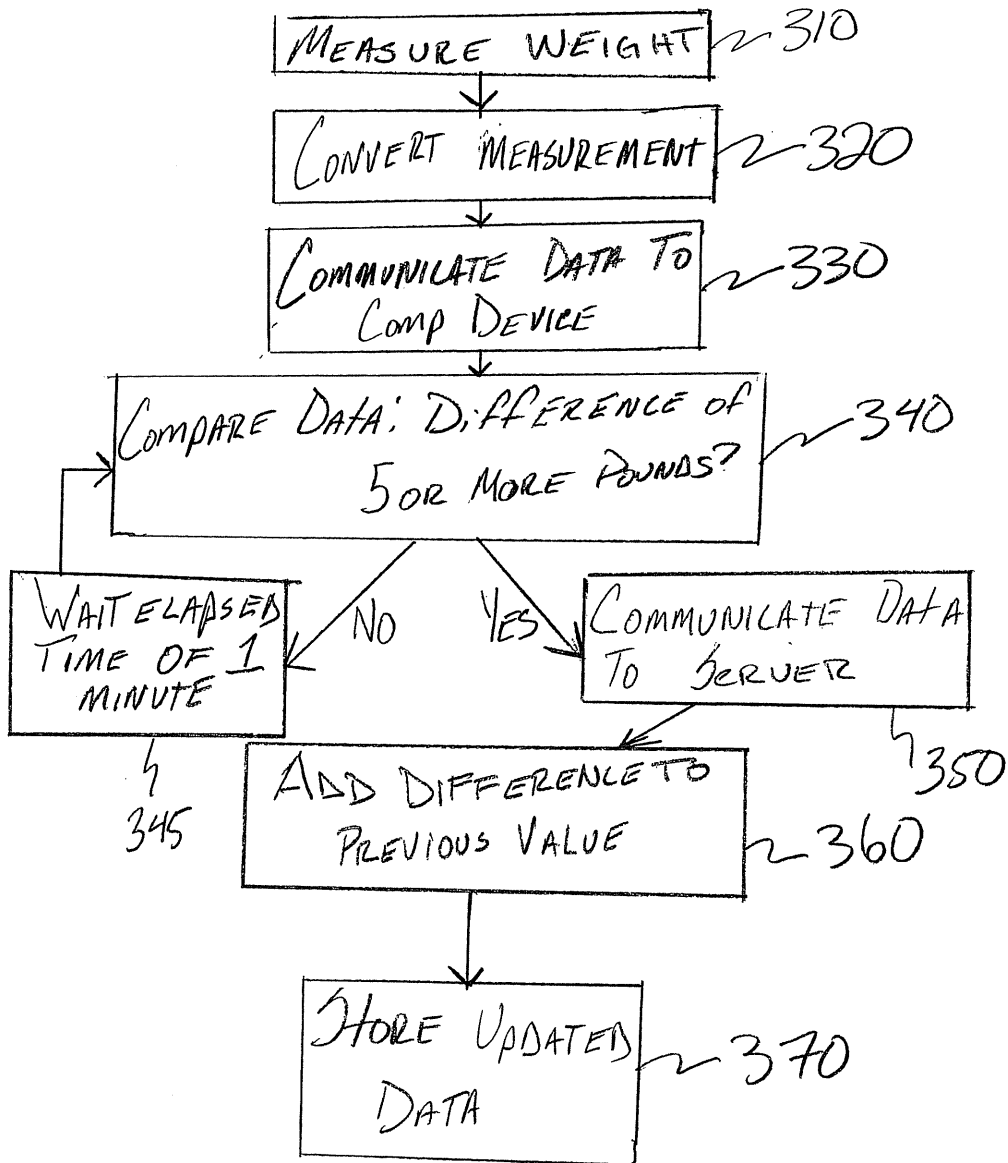


FIGURE 3



300 ↗

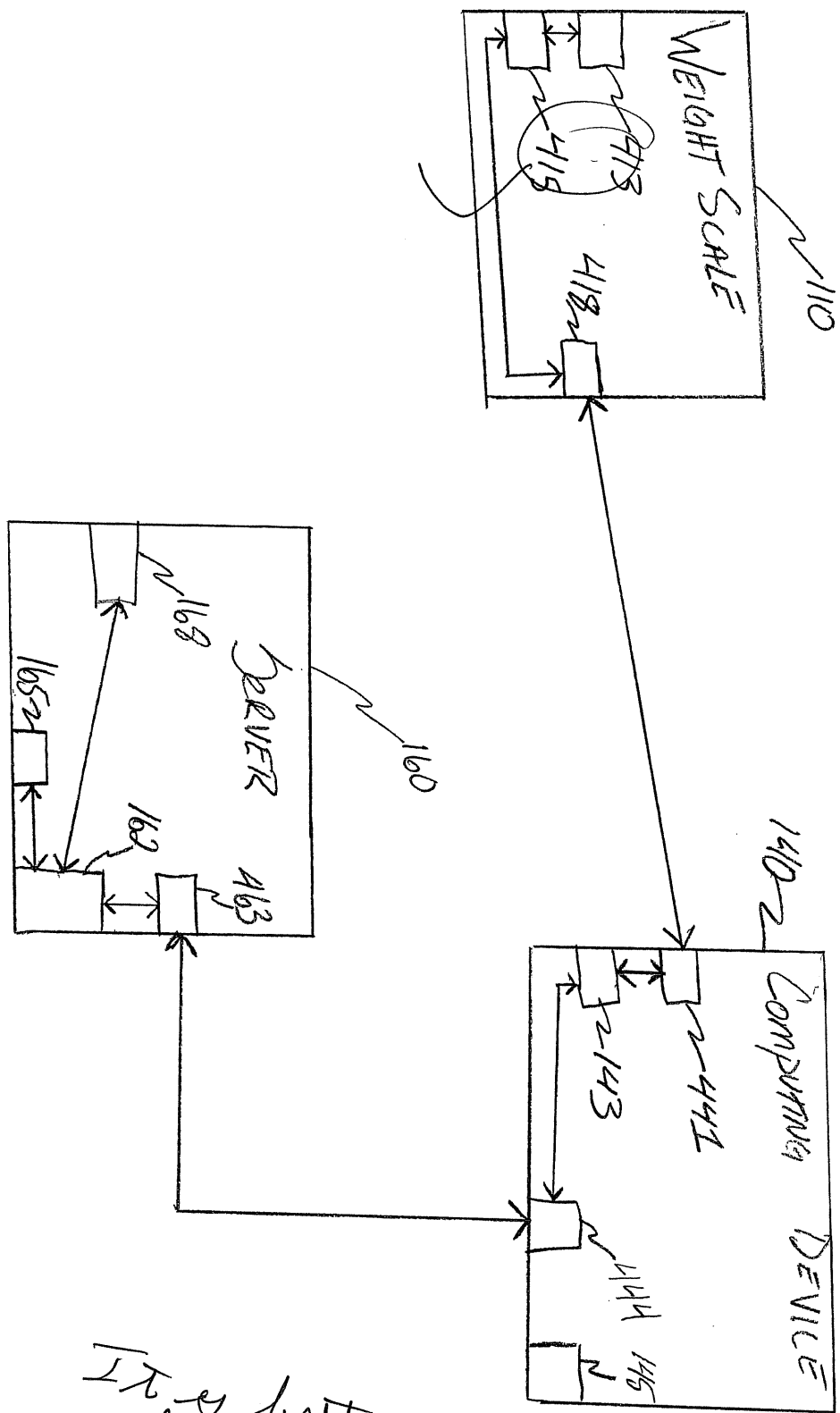
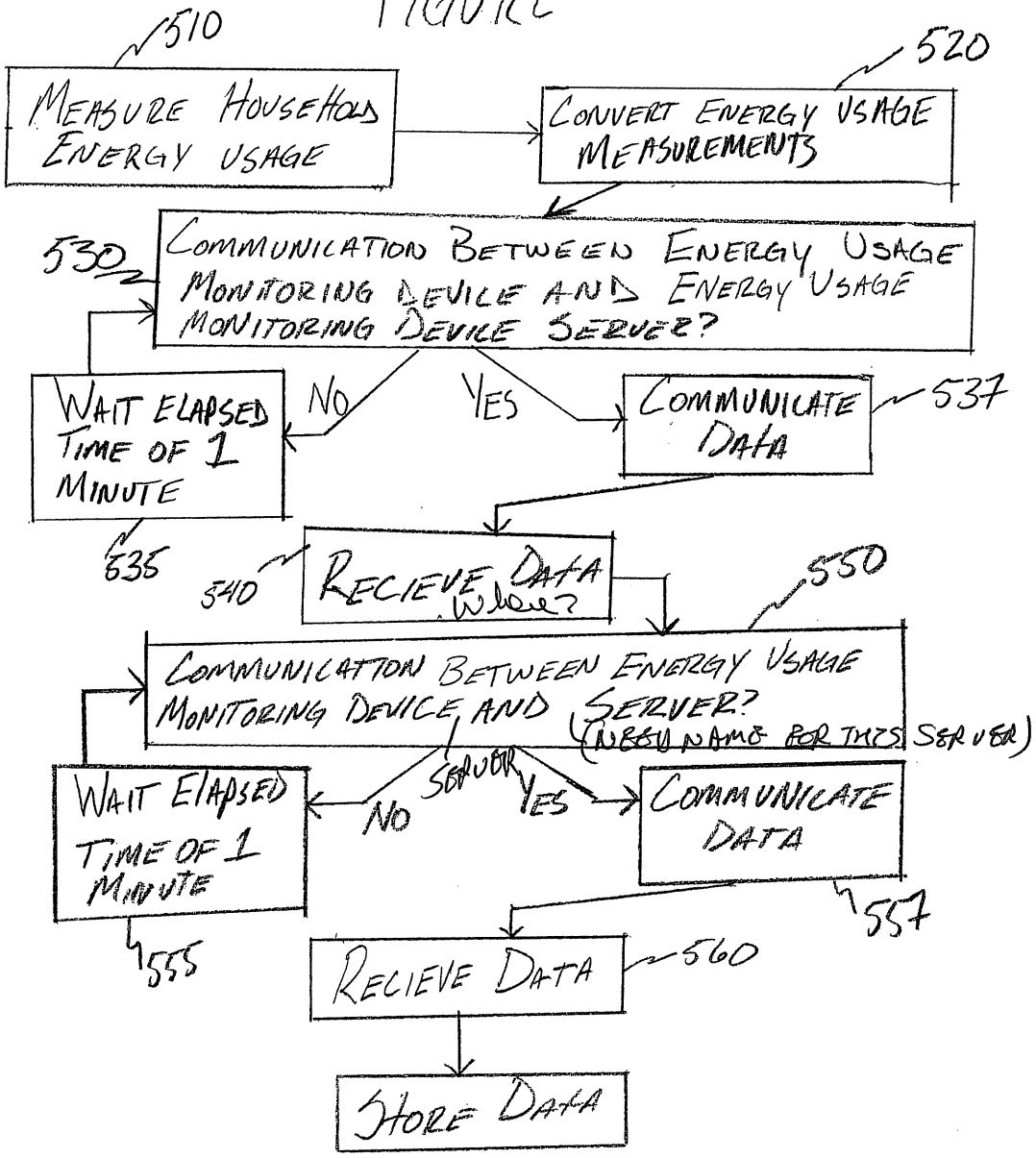


FIGURE 4

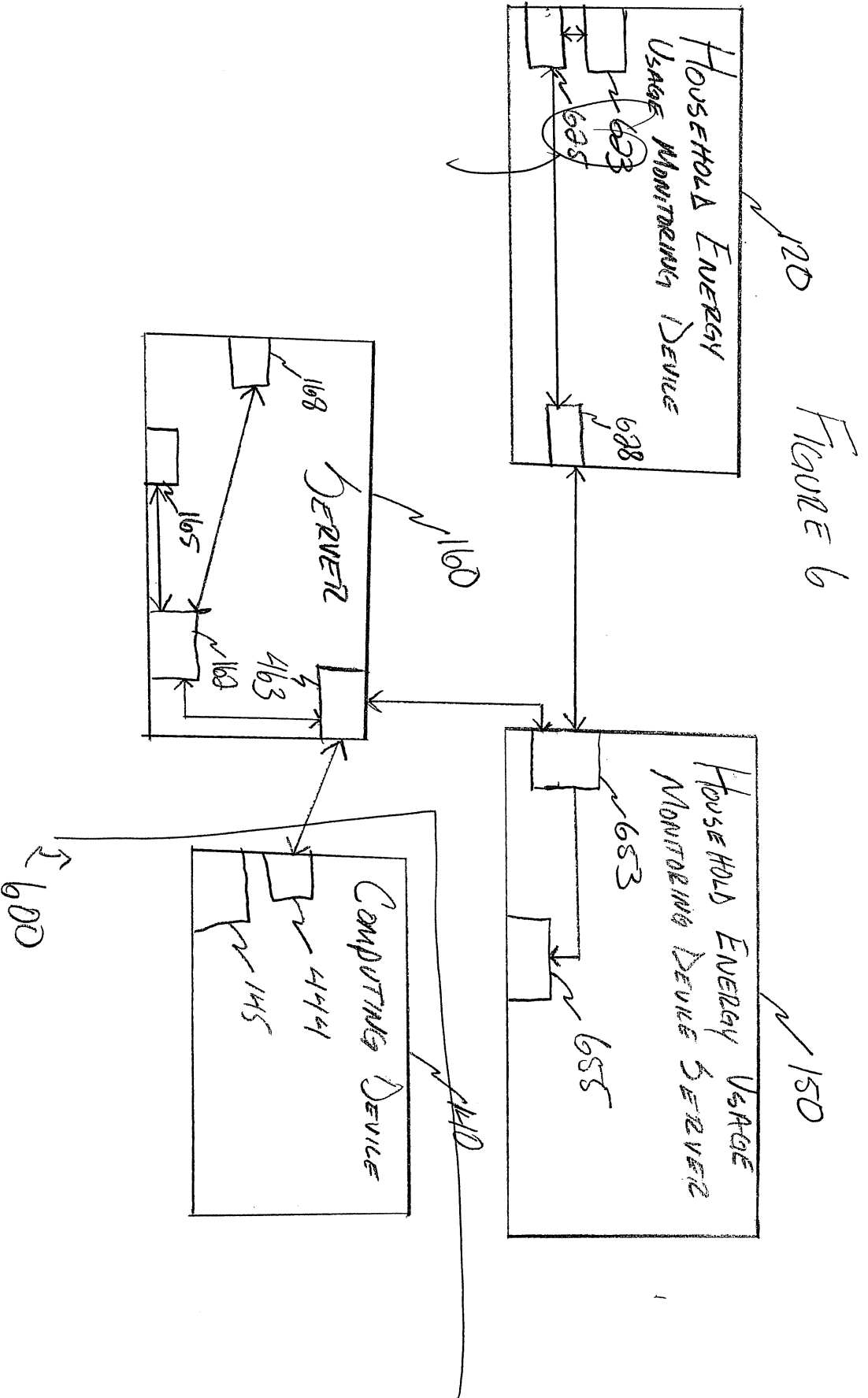
2400

It's better to have ~~names~~ error boxes in the system

FIGURE 5

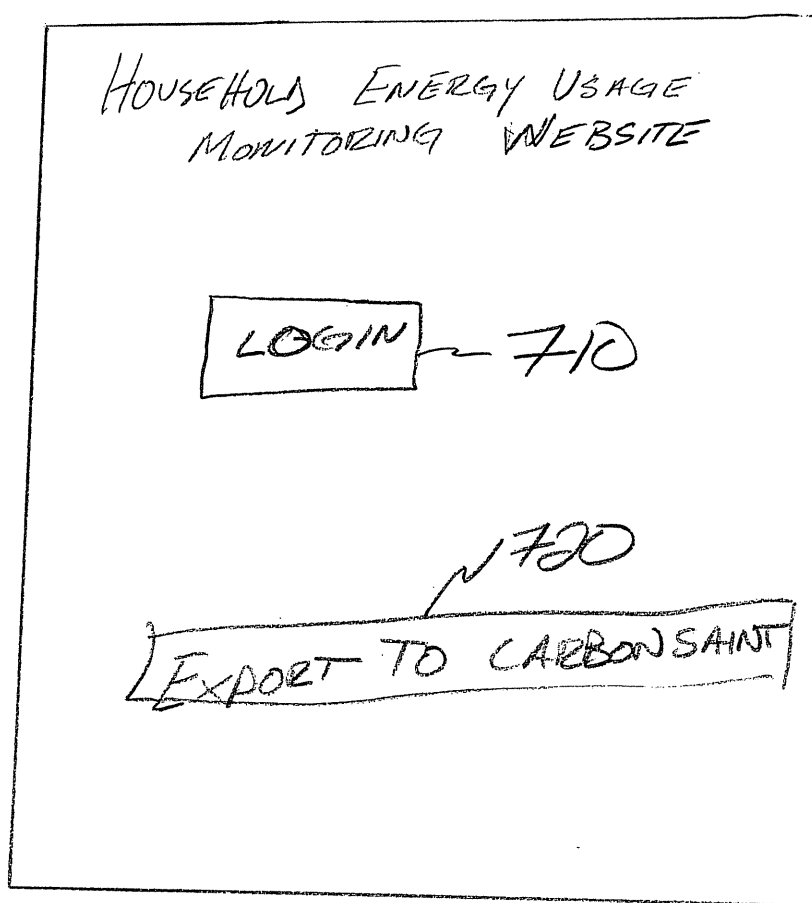


500 ↗



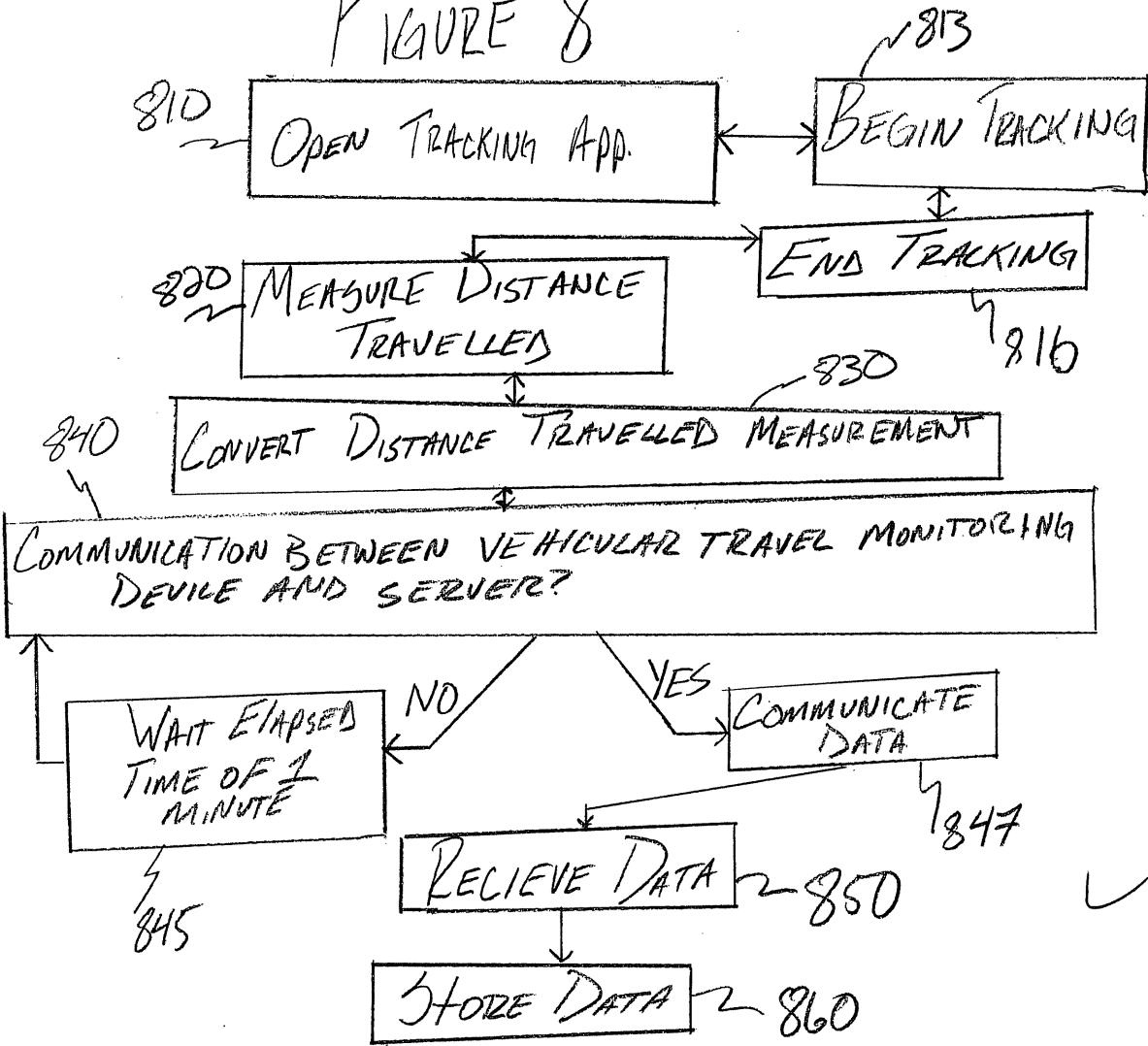


# FIGURE 7



700

FIGURE 8



800 →

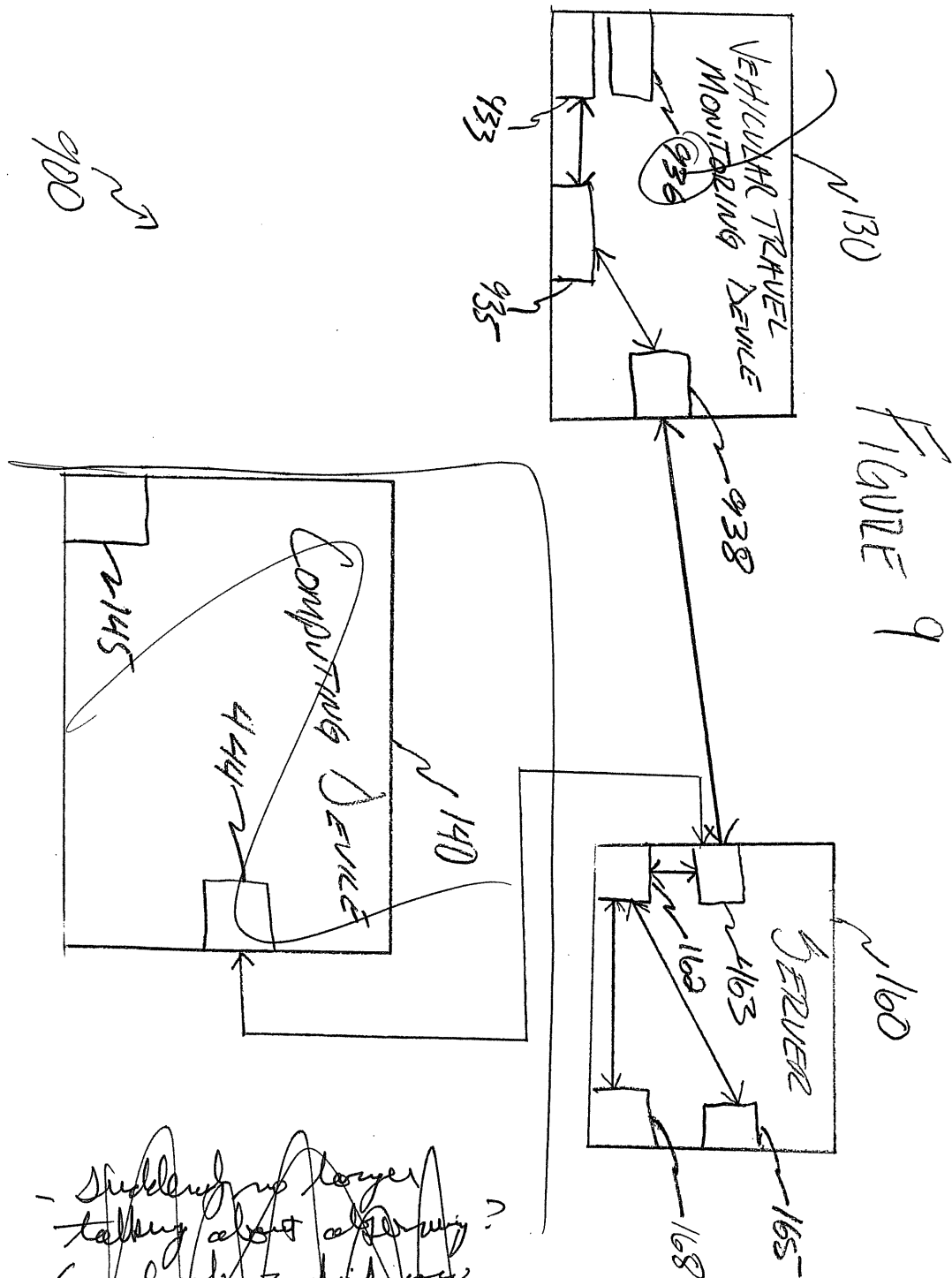
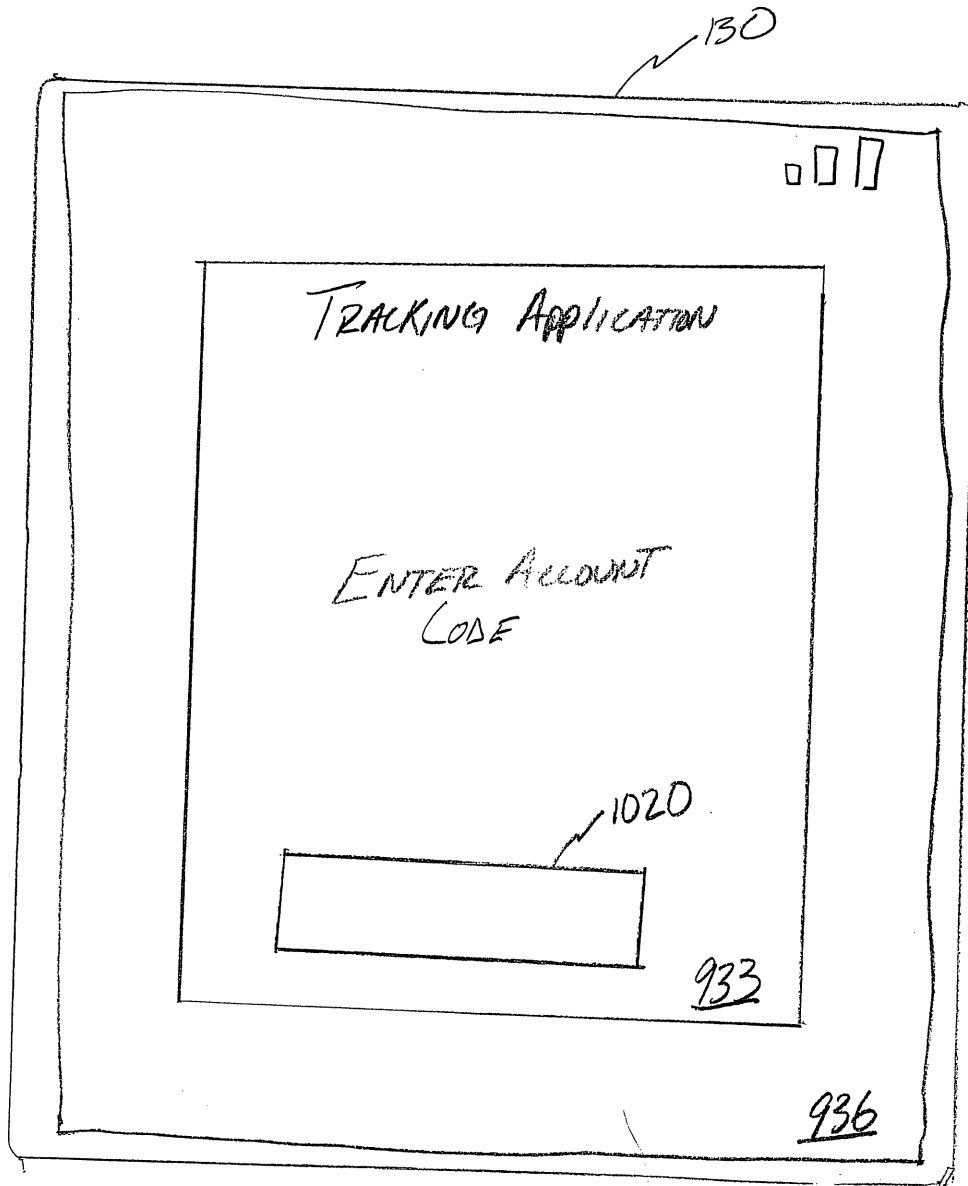


FIGURE 9

~~- Shredding up layers  
 talking about a strategy?  
 - Good job, but you  
 realized that it makes  
 it clearer  
 mobile  
 not!~~

FIGURE 10



1000 ↗

FIGURE 11

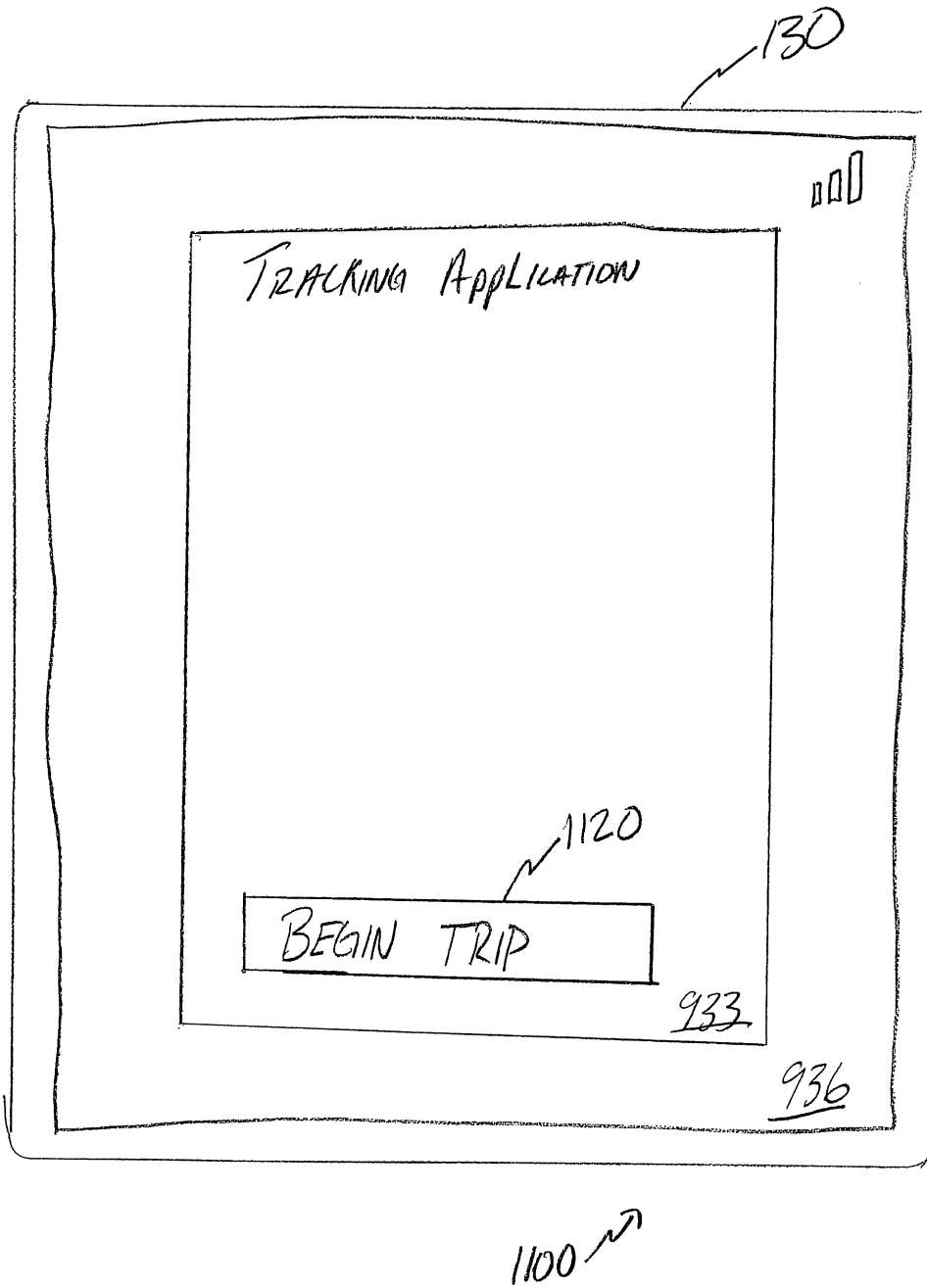
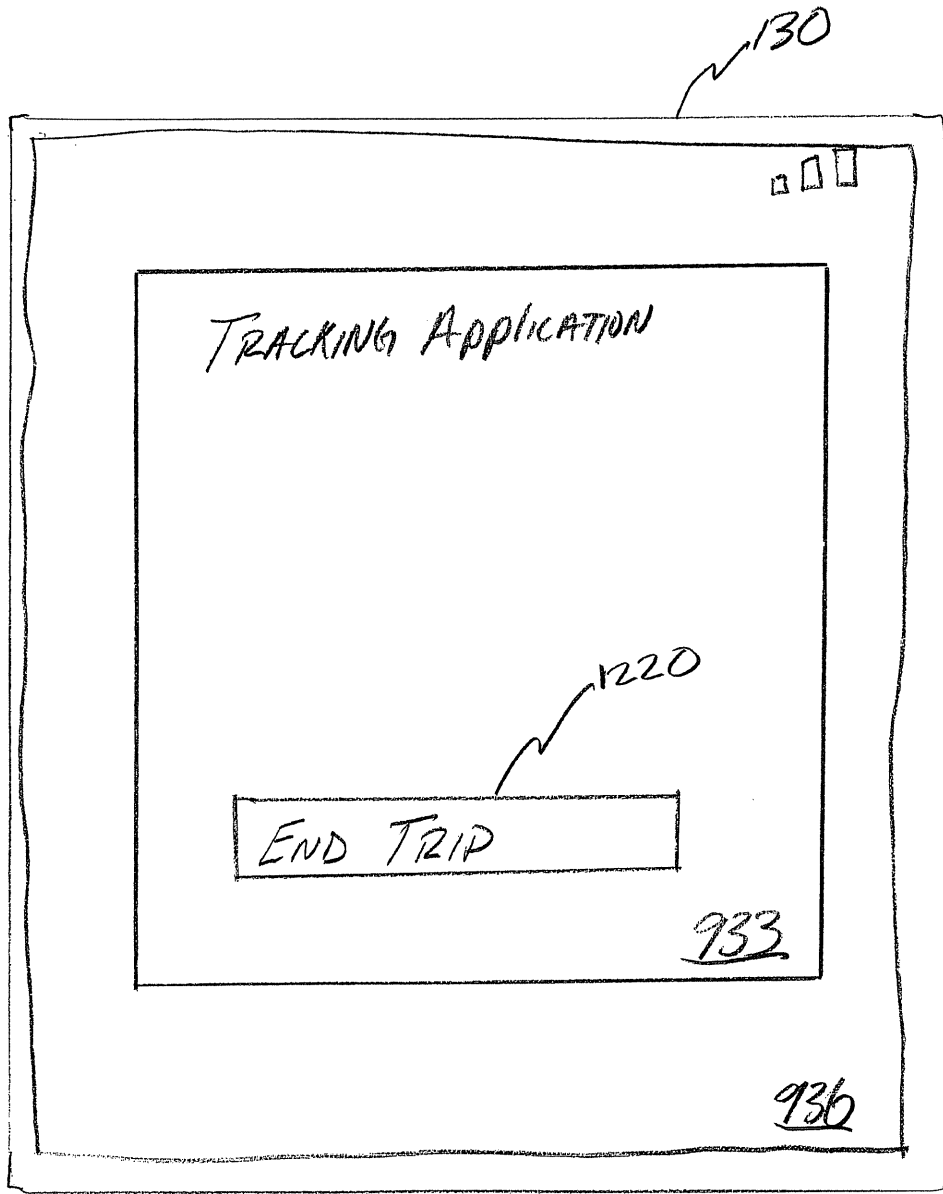


FIGURE 12



130

1220

933

936

1200

FIGURE 13

Cutting Carbon	Company Solution	Account Login	Forums	Store	About
1310	1312	1320	1314	1316	1317

<p>LATEST NEWS AND NOTICES</p>	1318
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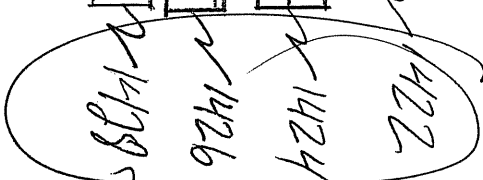
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1300

FIGURE 14

Cutting Carbon <u>1310</u>	Company Solution <u>1312</u>	Account Login <u>1328</u>	Forums <u>1314</u>	Store <u>1316</u>	About <u>1317</u>
Account Setup <u>1422</u>	MONITORING CONTROL <u>1424</u>	CARBON FOOTPRINT <u>1426</u>	CARBON OFFSET <u>1428</u>		



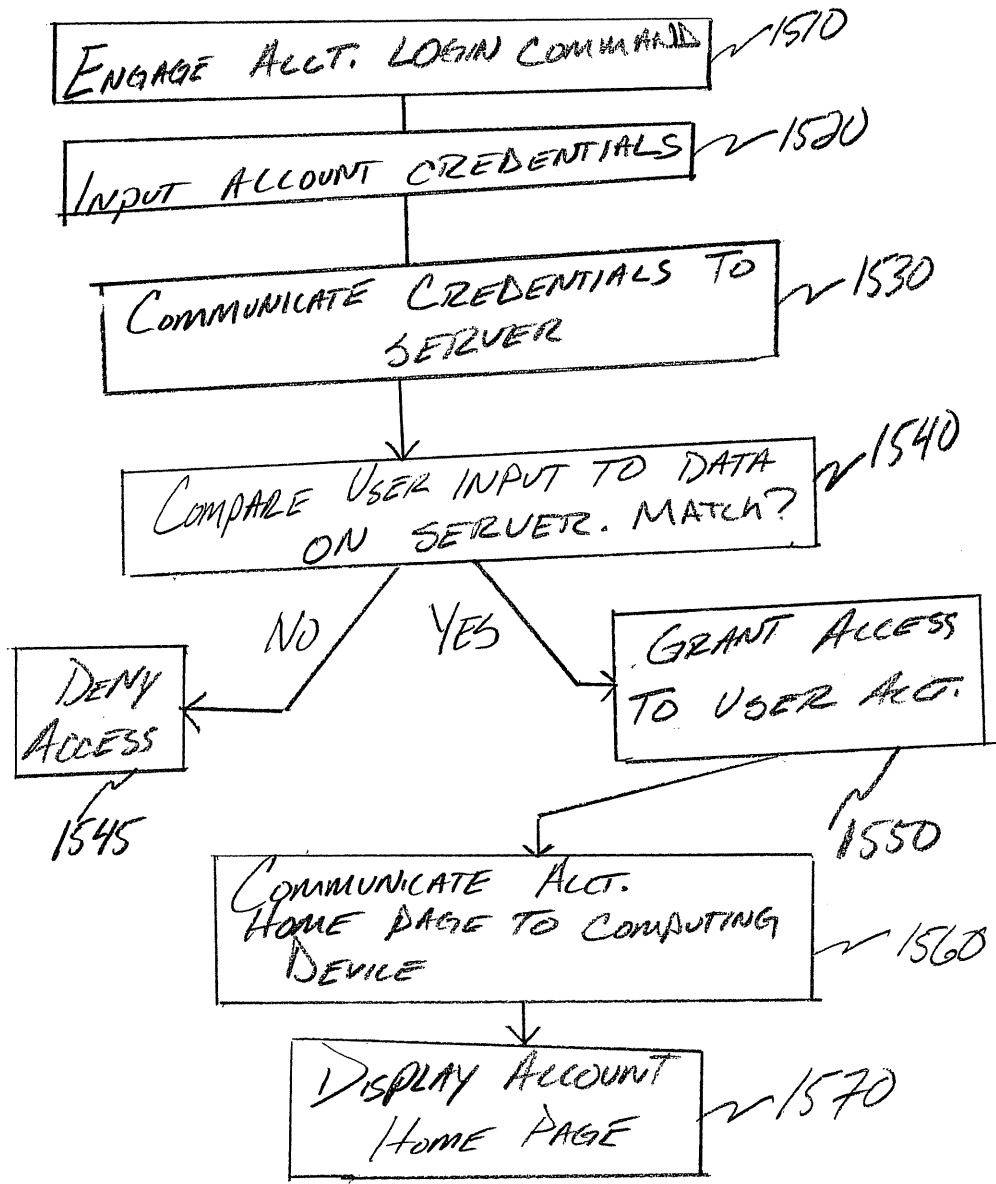
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1400 ↗



FIGURE 15



1500

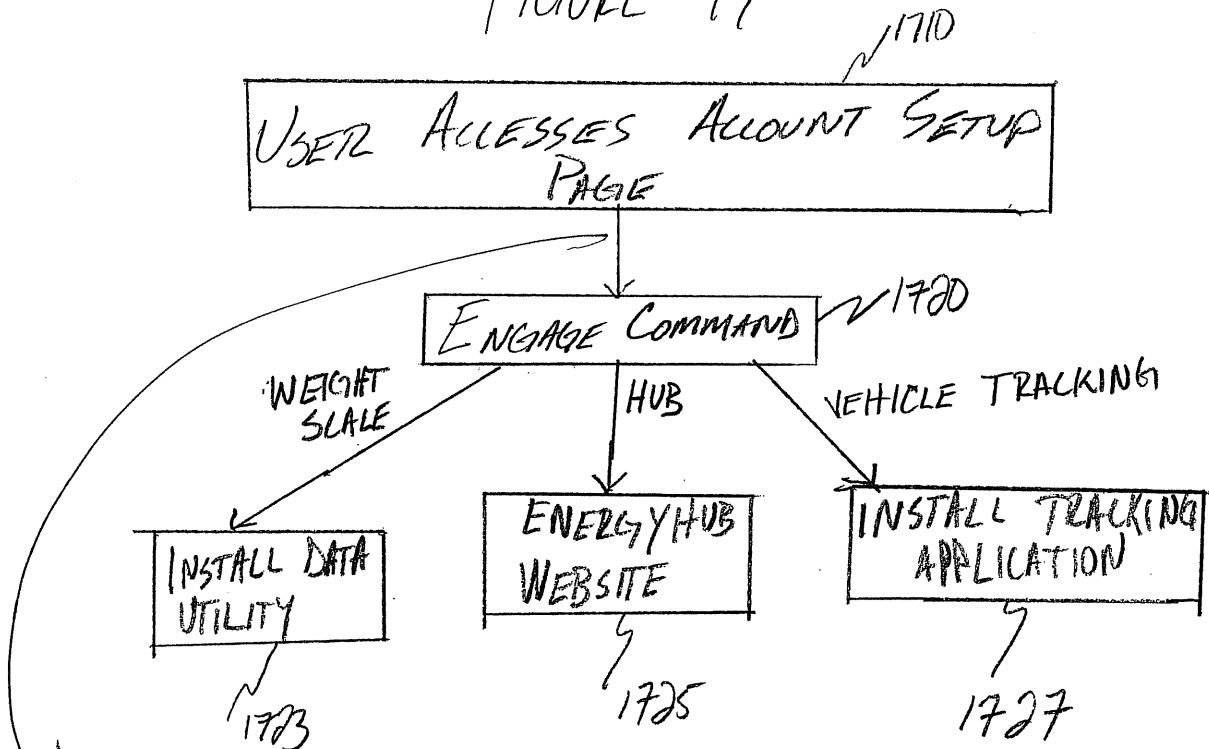
Figure 16

Cutting Carbon	Company Solution	Account Login	Forums	Store	About
1310	1312	1320	1314	1316	1317
ACCOUNT SETUP					
1600	Account INFORMATION				
1611	GREEN NAME				
1613	LOCATION				
1614	HOUSEHOLD STATISTICS				
1615	PASSWORDS				
1616	PAYMENT SERVICES				
1620	DEVICE REGISTRATION				
1623	HOUSEHOLD WASTE SCALE				
1625	ENERGY HUBS				
1627	VEHICLE TRACKING				
1422					
Legal & Copyright					

1600

1605

FIGURE 17



Choose screen name

↓  
password  
↓  
location  
↓  
etc.

1700 ↗

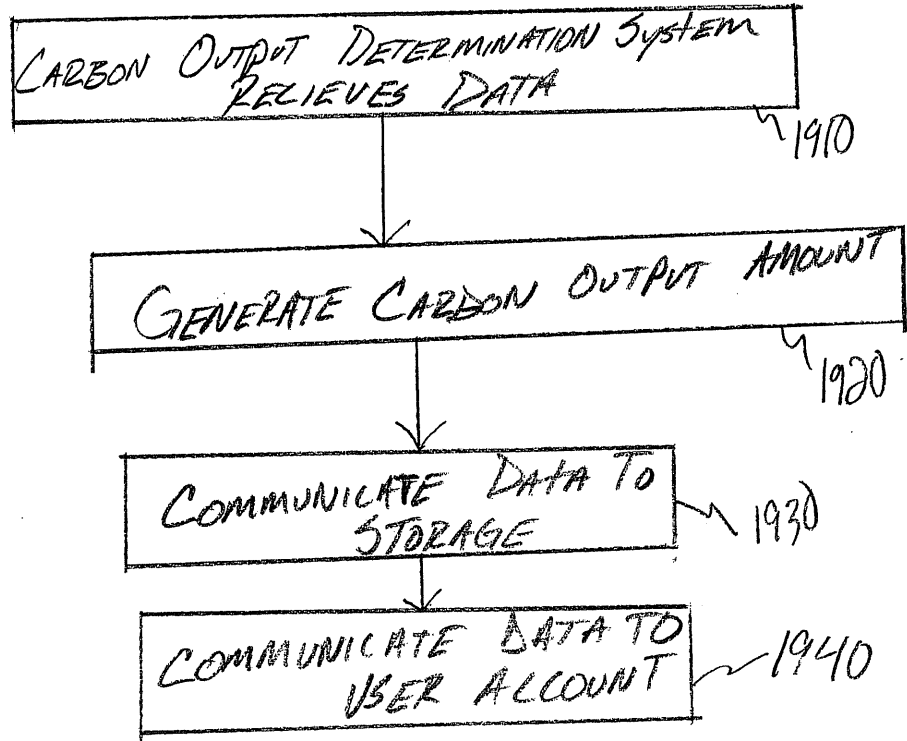
FIGURE 18

Cutting Carbon		Company Solution	Account Login	Forums	Store	About
1310		1312	1320	1314	1316	1317
MONITORING CONTROL						
HOUSEHOLD WASTE			VEHICLE USAGE		HOME ENERGY USAGE	
WIRELESS SCALE			YEAR		ENERGY HUB	
MANUAL ENTRY			MAKE		MANUAL ENTRY	
12th LEVEL			MODEL			
18320 1			SMART PHONE APPLICATIONS			
18320 2			GALLONS OF FUEL USED			
18320 3			MILES DRIVEN			
1814			1821			
1818			1822			
			1823			
			1824			
			1825			
			1826			

Legal & Copyright

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FIGURE 19



1900 ↗

FIGURE 20

Cutting Carbon	Company Solution	Account Login	Forums	Store	About
<u>1310</u>	<u>1312</u>	<u>1320</u>	<u>1314</u>	<u>1316</u>	<u>1317</u>
<p>SELECT COMPANY RATE</p>					
<p>2010 REMEDIATION</p>					
<input type="radio"/>		<u>2013</u>			\$/TON
<p>2012 REQUESTERS</p>					
<input type="radio"/>		<u>2012</u>			\$/TON
<p>2030 ALL</p>					
<input type="radio"/>		<u>2012</u>	YY		\$/TON
<p>2032 ALL</p>					
<input type="radio"/>		<u>2033</u>	ALL		\$/TON
<p>2034</p>					
<p>2034</p>					
<p>1428</p>					

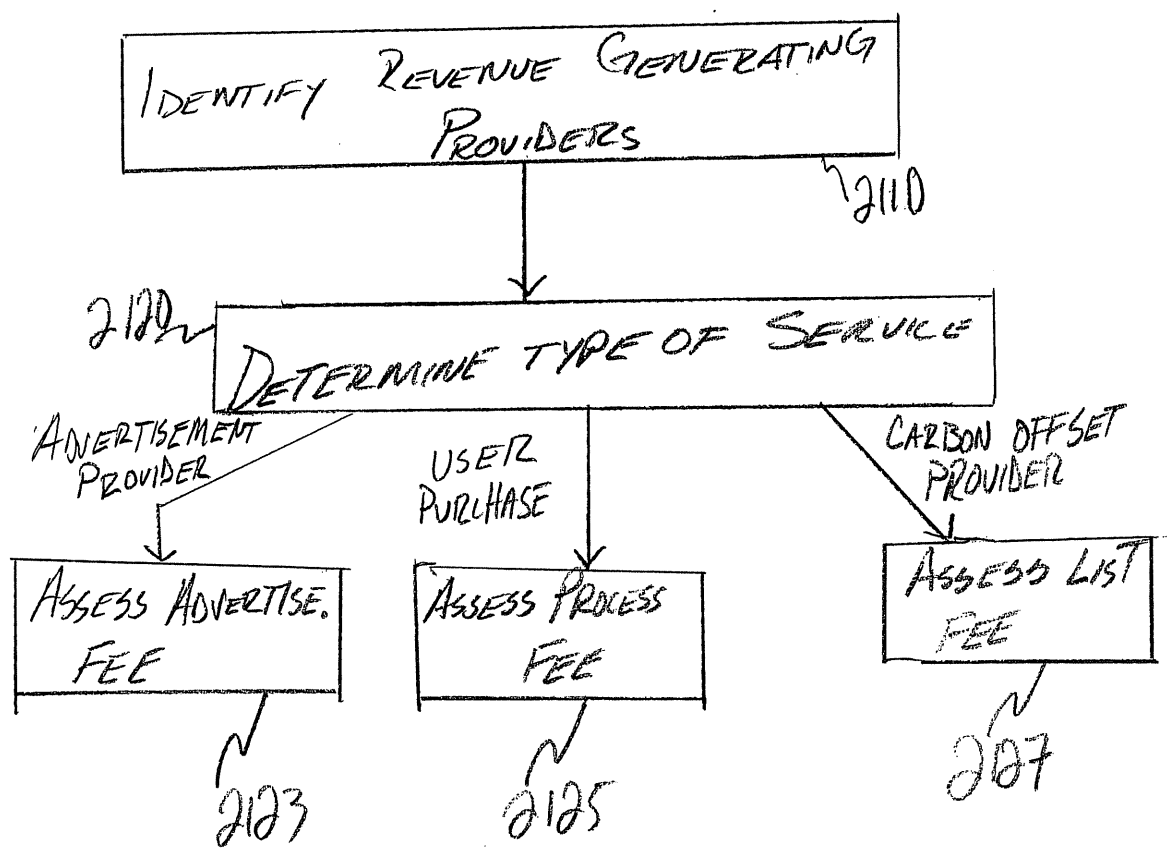
Legal & Copyright

2000

2/15

UH OH, lost some choices here

FIGURE 21



2100 ↗

FIGURE 22

