[What is claimed is]

[Claim 1] (Currently Amended)

An accounting system which charges a usage fee to a user of a parking lot in the parking lot in which an energy supply facility for a vehicle is provided, comprising:

a wireless communication device which performs wireless communication with an onboard device of the vehicle; and

a usage fee calculation device which calculates a usage fee of the parking lot based on data received by the wireless communication device from the onboard device,

wherein the usage fee calculation device includes:

a supply fee calculation section which calculates a fee for an amount of energy supply by the supply facility for the vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by the wireless communication device from the onboard device of the vehicle when use of the parking lot by the vehicle starts and an end time remaining amount value of energy of the vehicle included in data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by a unit price for supply per unit amount of energy;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.

[Claim 2] (Currently Amended)

The accounting system according to claim 1,

wherein the usage fee calculation device further includes:

a remaining amount difference calculation section which calculates a difference between the remaining amount value of energy of the vehicle included in the start time data and the remaining amount value of energy of the vehicle included in the end time data, and

wherein the supply fee calculation section calculates a fee for an amount of energy supply for the vehicle by the supply facility according to the difference between the remaining amount values of energy of the vehicle calculated by the remaining amount difference calculation section.

[Claim 3]

The accounting system according to claim 1 or 2,

wherein the usage fee calculation device further includes:

an elapsed time calculation section which calculates the elapsed time from the reception time of the start time data to the reception time of the end time data, and

wherein the time fee calculation device calculates the fee for the time of the use of the parking lot by the vehicle according to the time calculated by the elapsed time calculation section.

[Claim 4]

The accounting system according to any one of claims 1 to 3, wherein the supply fee calculation section changes the unit price for the supply according to a time division including time period from the reception time of the start time data to the reception time of the end time data.

[Claim 5]

The accounting system according to any one of claims 1 to 4, wherein the time fee calculation section changes the unit price per time according to a time division including a time period from the reception time of the start time data to the reception time of the end time data.

[Claim 6]

The accounting system according to any one of claims 1 to 5, further comprising:

a restriction device which restricts the vehicle from leaving the parking lot,

wherein the usage fee calculation device further includes a leaving restriction control section which controls the restriction device to release restriction from leaving imposed on the vehicle by the restriction device when the usage fee calculated by the usage fee calculation section has been adjusted.

[Claim 7]

The accounting system according to claim 6, further comprising:

a fee settlement device which performs settlement on the usage fee of the parking lot,

wherein, when the fee settlement device has performed the settlement on the usage fee of the parking lot and the usage fee calculated by the usage fee calculation section has been adjusted, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 8]

The accounting system according to claim 6 or 7, wherein, when payment

information for adjusting the usage fee is included in the end time data and the usage fee calculated by the usage fee calculation section has been electronically paid using the payment information, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 9]

The accounting system according to claim 8,

wherein the usage fee calculation device further includes:

an electronic payment section which electronically pays the usage fee calculated by the usage fee calculation section using the payment information when the payment information for adjusting the usage fee is included in the end time data, and

wherein, when the electronic payment section has made electronic payment, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 10] (Currently Amended)

A usage fee calculation device which calculates a usage fee of a parking lot, comprising:

a supply fee calculation section which calculates a fee for an amount of energy supply by a supply facility for a vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by a

unit price for supply per unit amount of energy;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.

[Claim 11] (Currently Amended)

A control method of controlling a usage fee calculation device which calculates a usage fee of a parking lot, comprising:

a supply fee calculation step of calculating a fee for an amount of energy supply by a supply facility for a vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by a unit price for supply per unit amount of energy;

a time fee calculation step of calculating a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation step of calculating the usage fee of the parking lot based

on the fee calculated in the supply fee calculation step and the fee calculated in the time fee calculation step.

[Claim 12] (Currently Amended)

A program for use in a usage fee calculation device, which calculates a usage fee of a parking lot, for causing the usage fee calculation device to function as:

a supply fee calculation section which calculates a fee for an amount of energy supply by a supply facility for a vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by a unit price for supply per unit amount of energy;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.

[What is claimed is]

[Claim 1]

An accounting system which charges a usage fee to a user of a parking lot in the parking lot in which an energy supply facility for a vehicle is provided, comprising:

a wireless communication device which performs wireless communication with an onboard device of the vehicle; and

a usage fee calculation device which calculates a usage fee of the parking lot based on data received by the wireless communication device from the onboard device,

wherein the usage fee calculation device includes:

a unit price information storage section which stores a unit price for supply per unit amount of energy of the vehicle corresponding to a time division;

a supply fee calculation section which calculates a fee for an amount of energy supply by the supply facility for the vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by the wireless communication device from the onboard device of the vehicle when use of the parking lot by the vehicle starts and an end time remaining amount value of energy of the vehicle included in data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by the unit price for supply per unit amount of energy corresponding to the time division, which includes a time period from a reception time of the start time data to a reception time of the end time data, among the unit price for supply per unit amount of energy stored in the unit price information storage section;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the

start time data to a reception time of end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.

[Claim 2]

The accounting system according to claim 1,

wherein the usage fee calculation device further includes:

a remaining amount difference calculation section which calculates a difference between the remaining amount value of energy of the vehicle included in the start time data and the remaining amount value of energy of the vehicle included in the end time data, and

wherein the supply fee calculation section calculates a fee for an amount of energy supply for the vehicle by the supply facility according to the difference between the remaining amount values of energy of the vehicle calculated by the remaining amount difference calculation section.

[Claim 3]

The accounting system according to claim 1 or 2,

wherein the usage fee calculation device further includes:

an elapsed time calculation section which calculates the elapsed time from the reception time of the start time data to the reception time of the end time data, and

wherein the time fee calculation device calculates the fee for the time of the use of the parking lot by the vehicle according to the time calculated by the elapsed time calculation section.

[Claim 4]

The accounting system according to any one of claims 1 to 3, wherein the time fee calculation section changes the unit price per time according to a time division including a time period from the reception time of the start time data to the reception time of the end time data.

[Claim 5]

The accounting system according to any one of claims 1 to 4, further comprising:

a restriction device which restricts the vehicle from leaving the parking lot,

wherein the usage fee calculation device further includes a leaving restriction control section which controls the restriction device to release restriction from leaving imposed on the vehicle by the restriction device when the usage fee calculated by the usage fee calculation section has been adjusted.

[Claim 6]

The accounting system according to claim 5, further comprising:

a fee settlement device which performs settlement on the usage fee of the parking lot,

wherein, when the fee settlement device has performed the settlement on the usage fee of the parking lot and the usage fee calculated by the usage fee calculation section has been adjusted, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 7]

The accounting system according to claim 5 or 6, wherein, when payment

information for adjusting the usage fee is included in the end time data and the usage fee calculated by the usage fee calculation section has been electronically paid using the payment information, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 8]

The accounting system according to claim 7,

wherein the usage fee calculation device further includes:

an electronic payment section which electronically pays the usage fee calculated by the usage fee calculation section using the payment information when the payment information for adjusting the usage fee is included in the end time data, and

wherein, when the electronic payment section has made electronic payment, the leaving restriction control section controls the restriction device to release the restriction from leaving imposed on the vehicle by the restriction device.

[Claim 9]

A usage fee calculation device which calculates a usage fee of a parking lot, comprising:

a unit price information storage section which stores a unit price for supply per unit amount of energy of a vehicle corresponding to a time division;

a supply fee calculation section which calculates a fee for an amount of energy supply by a supply facility for a vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle

included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by the unit price for supply per unit amount of energy corresponding to the time division, which includes a time period from a reception time of the start time data to a reception time of the end time data, among the unit price for supply per unit amount of energy stored in the unit price information storage section;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.

[Claim 10]

A control method of controlling a usage fee calculation device which calculates a usage fee of a parking lot, comprising:

a supply fee calculation step of calculating a fee for an amount of energy supply by a supply facility for a vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by a unit price for supply per unit amount of energy corresponding to a time division, which

includes a time period from a reception time of the start time data to a reception time of the end time data, among pre-stored unit price for supply per unit amount of energy;

a time fee calculation step of calculating a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation step of calculating the usage fee of the parking lot based on the fee calculated in the supply fee calculation step and the fee calculated in the time fee calculation step.

[Claim 11]

A program for use in a usage fee calculation device, which calculates a usage fee of a parking lot, for causing the usage fee calculation device to function as:

a unit price information storage section which stores a unit price for supply per unit amount of energy of a vehicle corresponding to a time division;

a supply fee calculation section which calculates a fee for an amount of energy supply by a supply facility for the vehicle by multiplying a difference between a remaining amount value of energy of the vehicle included in start time data received by a wireless communication device from an onboard device of the vehicle when use of the parking lot by the vehicle starts and a remaining amount value of energy of the vehicle included in end time data received by the wireless communication device from the onboard device of the vehicle when the use of the parking lot by the vehicle ends by the unit price for supply per unit amount of energy corresponding to the time division, which includes a time period from a reception time of the start time data to a reception time of the end time data, among the unit price for supply per unit amount of energy

stored in the unit price information storage section;

a time fee calculation section which calculates a fee for a time of the use of the parking lot by the vehicle by multiplying an elapsed time from a reception time of the start time data to a reception time of the end time data by a unit price per unit time for using the parking lot; and

a usage fee calculation section which calculates the usage fee of the parking lot based on the fee calculated by the supply fee calculation section and the fee calculated by the time fee calculation section.