CLAIMS

1. A public power supply system comprising:

a outlet installed in advance in a predetermined public location and supplied with power from a distribution line;

a current control unit connected between the outlet and the distribution line and configured to control whether or not to allow supply of a current to be supplied to the outlet;

a communication terminal requesting the outlet to supply power;

a remote control prevention device installed near the outlet and configured to generate information to allow supply of a current to the outlet by an actual operation of a user; and

a center server connected with the communication terminal via the Internet and connected with the current control unit via a communication network, and configured to determine whether or not information to allow supply of a current has been received from the remote control prevention device when there is a request by a user to supply power to the outlet from the communication terminal and to output a current supply command to the current control unit when the information to allow supply of a current has been received;

wherein a communication network connecting the current control unit and the center server is the Internet or a communication network using a protocol other than the Internet protocol.

2. The public power supply system according to ~~claim 1~~, wherein

a user specifying information reader configured to read user specifying information for specifying a user is ~~provided~~ connected to the current control unit near the

outlet, and

the center server outputs a current supply command to the current control unit when the user specifying information read by the user specifying information reader is user-registered.

3. The public power supply system according to claim 2, wherein

the user specifying information is user identifying information stored in a contactless IC card and the user specifying information reader is a contactless IC card reader.

2~~4~~. ~~The~~A public power supply system ~~according to any one of claims 1 to 3~~comprising:

a outlet installed in advance in a predetermined public location and supplied with power from a distribution line;

a current control unit connected between the outlet and the distribution line and configured to control whether or not to allow supply of a current to be supplied to the outlet;

a communication terminal requesting the outlet to supply power;

a remote control prevention device installed near the outlet and configured to generate information to allow supply of a current to the outlet by an actual operation of a user; and

a center server connected with the communication terminal via the Internet and connected with the current control unit via a communication network, and configured to determine whether or not information to allow supply of a current has been received from the remote control prevention device when there is a request by a user to supply power to

the outlet from the communication terminal and to output a current supply command to the current control unit when the information to allow supply of a current has been received, wherein

the remote control prevention device includes a display device configured to display a variable identification marker for identifying the outlet, which is changed each time the outlet is used, and

the center server determines that information to allow supply of a current is received when an actual operation to cause the communication terminal to read the variable identification marker displayed on the display device is performed by a user and the variable identification marker is transmitted to the center server and the variable identification marker is received from the communication terminal.

35. A public power supply system comprising:

a outlet installed in advance in a predetermined public location and supplied with power from a distribution line;

a current control unit connected between the outlet and the distribution line and configured to control whether or not to allow supply of a current to be supplied to the outlet;

a communication terminal requesting the outlet to supply power;

a remote control prevention device installed near the outlet and configured to generate information to allow supply of a current to the outlet by an actual operation of a user; and

a center server connected with the communication terminal via the Internet and connected with the current control unit via a communication network, and configured to

output a current supply command to the current control unit when there is a request by a user to supply power to the outlet from the communication terminal, wherein

the current control unit determines whether or not information to allow supply of a current has been received from the remote control prevention device and makes valid a current supply command from the center server when the information to allow supply of a current has been received;

wherein a communication network connecting the current control unit and the center server is the Internet or a communication network using a protocol other than the Internet protocol.

6. The public power supply system according to claim 5, wherein

a user specifying information reader configured to read user specifying information for specifying a user is provided connected to the current control unit near the outlet, and

the center server outputs a current supply command to the current control unit when the user specifying information read by the user specifying information reader is user-registered.

7. The public power supply system according to claim 6, wherein

the user specifying information is user identifying information stored in a contactless IC card and the user specifying information reader is a contactless IC card reader.

8. The public power supply system according any one of claims 5 to 7, wherein

the remote control prevention device includes an operation button for permitting supply of a current to the outlet, and

the current control unit makes valid a current supply command from the center server when an actual operation to operate the operation button is performed by a user and an operation signal of the operation button is received.

9. The public power supply system according to any one of claims 5 to 7, wherein

the remote control prevention device includes an information input device for inputting specific information to permit supply of a current to the outlet, and

the current control unit makes valid a current supply command from the center server when an actual operation to input specific information from the information input device is performed by a user and specific information input from the information input device is received.

10. The public power supply system according to any one of claims 5 to 7, wherein

the remote control prevention device includes a reading unit configured to read a new identification marker transmitted to the communication terminal from the center server, and

the current control unit makes valid a current supply command from the center server when an actual operation to cause the reading unit to read the new identification marker transmitted from the reading unit is performed by a user and a new identification marker is received from the reading unit.

11. The public power supply system according to any one of

claims 1 to 10, wherein

the center server transmits information of the outlet installation location to the communication terminal when there is a request by the user to search for the outlet installation location from the communication terminal.

12. The public power supply system according to claim 11, wherein

the center server provides detailed information of the use of the outlet for each installation location in addition to the information of the outlet installation location.

13. The public power supply system according to any one of claims 1 to 12, wherein

the center server totalizes the time of use of the outlet, the amount of power used, and the use charge for each of the users.

14. The public power supply system according to claim 13, wherein

the center server totalizes and stores the use charge calculated by multiplying the charge for each installation location by the time of use or the use charge calculated by multiplying the charge for each installation location by the amount of power used.

15. The public power supply system according to claim 13 or 14, wherein

the center server provides information of the time of use of the outlet, the amount of power used, and the use charge totalized for each of the users to the communication terminal when there is a request by the user for inquiry about the use charge from the communication terminal.

4~~16~~. The public power supply system according to any one of claims 1 to ~~15~~3, wherein

the current control unit blocks a current from the distribution line when detecting an electric leakage in the lower system of the distribution line.

5~~17~~. The public power supply system according to any one of claims 1 to ~~16~~4, wherein

the current control unit blocks a current from the distribution line when a supply current to the outlet exceeds an overcurrent set value determined in advance.

6~~18~~. The public power supply system according to claim ~~17~~5, wherein

the center server is capable of changing the setting of the overcurrent set value of the current control unit.

7~~19~~. The public power supply system according to any one of claims 1 to ~~18~~6, wherein

the current control unit has a use time limit value storage unit configured to set a limit value of the time of use of the outlet and a timer configured to turn off current supplied to the outlet when the time of use of the outlet reaches the limit value set in the use time limit value storage unit, and

the center server outputs a count start command of the timer as well as a current supply command of the outlet.

8~~20~~. The public power supply system according to any one of claims 1 to ~~18~~6, wherein

the center server has a use time limit value storage unit configured to set a limit value of the time of use of

the outlet and a timer configured to turn off current supplied to the outlet when the time of use of the outlet reaches the limit value set in the use time limit value storage unit and outputs a count start command of the timer as well as a current supply command of the outlet.

9~~21~~. The public power supply system according to any one of claims 1 to ~~20~~8, wherein

the current control unit supplies an AC current supplied from the distribution line to the outlet and at the same time, converts the AC current into a DC current and supplies the converted DC current to a DC outlet.

22. The public power supply system according to any one of claims 1 to 21, wherein

a communication network connecting the current control unit and the center server is the Internet or a communication network using a protocol other than the Internet protocol.