CLAIMS

1. ~~An~~ A master unit in an electrostimulation device~~,~~ system comprising~~:~~ a master unit used by therapy providers and one or more slave units mostly used by patients,

the master unit comprising:

a myoelectric detection-electrostimulation electrode;

an electrostimulator configured to apply an electrical stimulation ~~in accordance with a therapy mode~~ signal to ~~a paralyzed region in a patient through an~~ the myoelectric detection-electrostimulation electrode;

a therapy condition setter configured to set a therapy condition including ~~the~~ a therapy mode;

a display configured to display information regarding at least ~~the~~ therapy ~~condition set by the therapy condition setter~~;

an information communicator configured to ~~transmit the therapy condition to at least another electrostimulation device~~ communicate with the one or more slave units; and

a controller configured to control ~~these structural elements.~~ the electrostimulator, the therapy condition setter, the display, and the information communicator, wherein

the controller at least controls to transmit the therapy condition set by the therapy condition setter to the one or more slave units via the information communicator, and to display a therapy state of the patient on the display when receiving a therapy history information

of the patients transmitted from the one or more slave units via the information communicator.

2. The ~~electrostimulation device~~master unit as claimed in claim 1, further comprising an electrostimulation electrode, wherein

the therapy mode includes~~ at least~~:

a first therapy mode ~~where the electrostimulator applies the~~applying an electrical stimulation ~~to the paralyzed region~~ with an intensity that conforms to a myoelectric potential detected~~ in the paralyzed region~~ by the myoelectric detection-electrostimulation electrode from a paralyzed region in the patients to the paralyzed region through the myoelectric detection-electrostimulation electrode; and

a second therapy mode ~~where the electrostimulator applies~~applying an electrical stimulation~~ to~~ with an intensity that conforms to a myoelectric potential detected by the myoelectric detection-electrostimulation electrode from any region but the paralyzed region in the patient or a region in any person but the patient ~~with an intensity that conforms to a myoelectric potential detected in the region~~to the paralyzed region through the electrostimulation electrode.

3. A slave unit in an electrostimulation device system comprising a master unit used by therapy providers and at least one slave unit mostly used by patients,

the slave unit comprising:

a myoelectric detection-electrostimulation electrode;

an electrostimulator configured to apply an electrical stimulation signal to the myoelectric detection-electrostimulation electrode;

a storage configured to store therapy history information and at least one therapy condition;

an information communicator configured to communicate with the master unit; and

a controller configured to control the electrostimulator, the storage and the information communicator, wherein

the controller controls to store the therapy condition transmitted from the master unit into the storage, to read the therapy condition stored in the storage, to apply the electrical stimulation signal corresponding to the therapy condition read from the storage to the myoelectric detection-electrostimulation electrode, and to transmit the therapy history information stored in the storage to the master unit.

~~3~~4. The ~~electrostimulation device~~slave unit as claimed in claim ~~1, wherein~~3, further comprising a power source ~~of electrostimulation device is~~being composed of a chargeable or non-chargeable battery.

~~4~~5. The ~~electrostimulation device~~slave unit as claimed in claim ~~3~~4, further ~~including~~ comprising a battery voltage detector configured to detect a battery voltage of the battery, wherein ~~decreases~~ a voltage drop of the battery

voltage are broadcasted based on a detection result obtained by the battery voltage detector.

~~5. The electrostimulation device as claimed in one of claims 1 to 4, further including storage configured to store therein at least the therapy condition in a readable manner, wherein~~

~~the storage can store therein a plurality of the therapy conditions.~~

6. An electrostimulation device system, comprising ~~the electrostimulation device as claimed in one of claims 1 to 5, and another electrostimulation device~~a master unit used by therapy providers and one or more slave units mostly used by patients, wherein

the master unit comprises:

a first myoelectric detection-electrostimulation electrode;

a first electrostimulator configured to apply an electrical stimulation signal to the first myoelectric detection-electrostimulation electrode;

a therapy condition setter configured to set a therapy condition;

a display configured to display information regarding therapy;

a first information communicator configured to communicate with the one or more slave units; and

a first controller configured to control the first electrostimulator, the therapy condition setter, the display, and the first information communicator,

wherein the first controller at least controls to transmit the therapy condition set by the therapy condition setter to the one or more slave units via the first information communicator, and to display a therapy state of the patient on the display when receiving therapy history information of the patients transmitted from the one or more slave units via the first information communicator,

wherein

the one or more slave units comprises:

a second myoelectric detection-electrostimulation electrode;

a second electrostimulator configured to apply an electrical stimulation signal to the second myoelectric detection-electrostimulation electrode;

a storage configured to store therapy history information and at least one therapy condition;

a second information communicator configured to communicate with the master unit; and

a second controller configured to control the second electrostimulator, the storage and the second information communicator, wherein

the second controller at least controls to store the therapy condition transmitted from the master unit into the storage, to read the therapy condition stored in the storage, to apply the electrical stimulation signal corresponding to the therapy condition read from the

storage to the second myoelectric detection-electrostimulation electrode, and to transmit the therapy history information stored in the storage to the master unit.

~~the electrostimulation device receives therapy history information from the another electrostimulation device through the information communicator and displays the received therapy history information on the display.~~

7. The electrostimulation device system as claimed in claim 6, wherein the first controller of the master unit can control to display the therapy history information on the display when receiving the therapy history information of the patients transmitted from the one or more slave units via the first information communicator.

8. The electrostimulation device system as claimed in claim 7, wherein the therapy history information contains at least one of ~~informations~~ the following information obtained in the ~~another electrostimulation device~~one or more slave units;

accumulated therapy time which is a total therapy time when the therapy is performed, number of times when the electrical stimulation is applied to the paralyzed region, and

accumulated stimulation-applying time which is a total time when the electrical stimulation is applied to the paralyzed region.

~~8. An electrostimulation device system, comprising the electrostimulation device as claimed in one of claims 1 to 5, and another electrostimulation device, wherein~~

~~the another electrostimulation device includes:~~

~~an information communicator configured to transmit and receive information to and from the electrostimulation device;~~

~~a storage configured to store therein the information received by the information communicator; and~~

~~a controller configured to control these structural elements.~~

~~9. The electrostimulation device system as claimed in claim 8, wherein~~

~~the another electrostimulation device can receive the therapy condition from the electrostimulation device and store therein the received therapy condition.~~

~~10~~9. The electrostimulation device system as claimed in claim ~~9~~6, wherein

~~a part of or all of the received therapy condition~~the one or more slave units can be altered or cannot be altered ~~on the another electrostimulation device~~a part of or all of the therapy condition received from the master unit.

~~11~~10. The electrostimulation device system as claimed in ~~one of claims 6 to 10~~claim 6, wherein the ~~another electrostimulation device has~~one or more slave units have a body formed in a portable size.

~~12~~11. The electrostimulation device system as claimed in claim ~~9~~6, wherein

~~power sources of the electrostimulation device and the another electrostimulation device are~~each of the master unit and the one or more slave units has a power source consisting of a chargeable or non-chargeable ~~batteries~~battery,

the ~~electrostimulation device~~master unit has a first DC-DC converter configured to regulate a battery voltage of the battery to a predetermined voltage value,

the ~~another electrostimulation device has~~one or more slave units have a second DC-DC converter configured to regulate a battery voltage of the battery to a predetermined voltage value, and

the first and second DC-DC converters regulate the battery voltages of the batteries to an equal predetermined voltage value.

~~13~~12. The~~An~~ electrostimulation device system~~, comprising the electrostimulation device as claimed in one of claims 1 to 5, and another electrostimulation device~~ as claimed in claim 6, wherein

~~the another electrostimulation device includes an information communicator configured to transmit and receive information to and from the electrostimulation device,~~

~~the therapy condition is transmitted from the electrostimulation device and received by the another electrostimulation device, and the therapy history~~

~~information is transmitted from the another electrostimulation device and received by the electrostimulation device by means of the information communicators of the electrostimulation device and the another electrostimulation device,~~

the ~~electrostimulation device~~master unit is mostly used therapeutically by therapy providers including doctors in medical institutions,

the ~~another electrostimulation device is~~one or more slave units are mostly used by patients for home therapy under the guidance of the therapy providers, and

the therapy providers can set the therapy condition in the ~~another electrostimulation device~~one or more slave units and manage the therapy history information by means of the ~~electrostimulation device~~master unit.