【CLAIMS】

[Claim 1]

A massager controlling apparatus comprising:

a setting part configured to set a massage mode; and

a control part configured to control a moving speed of a driving module performing a massage to adjust an operation time of a corresponding massage pattern according to the massage mode set by the setting part and a body shape of a user,

wherein the control part comprises: a body shape calculation part configured to scan a body of the user to calculate a weight and a spinal length of the user; and

a time adjusting part configured to control the moving speed of the driving module on the basis of the calculated body shape information to adjust the operation time of the corresponding massage pattern, and

wherein the time adjusting part adjusts so that the set massage pattern is ended at the same time regardless of the calculated weight and spinal length of the user, adjusts so that the moving speed of the driving module varies uniformly according to variation of the load applied to the driving module by the weight of the user, and calculates the moving speed of the driving module on the basis of a predetermined standard operation time and the spinal length of the user for the corresponding massage pattern to adjust the moving speed of the driving module.

[Claim 2]

The massager controlling apparatus of claim 1, wherein the control part controls a transferring motor configured to horizontally transfer the driving module to adjust the moving speed of the driving module.

[Claim 3]

The massager controlling apparatus of claim 1,

wherein the setting part comprises an operation time adjusting part configured to set the operation time of the corresponding massage pattern; and

the time adjusting part adjusts the moving speed of the driving module so that the corresponding massage pattern is ended according to the set operation time.

[Claim 4]

The massager controlling apparatus of claim 3, wherein the time adjusting part adjusts the moving speed of the driving module on the basis of the set operation time and the spinal length of the user.

[Claim 5]

The massager controlling apparatus of claim 1, wherein:

the setting part comprises a strength selection part configured to select strength of the massage mode; and

a strength increasing/decreasing selection part configured to select increasing/decreasing of the selected massage strength to minutely adjust the massage strength; and

wherein the control part further comprises a strength control part configured to control the driving module so that the driving module is driven at the selected massage strength; and

a strength adjusting part configured to increase or decrease the moving speed of the driving module according to the increasing/decreasing selection to adjust the massage strength.

[Claim 6]

The massager controlling apparatus of claim 5, wherein the strength increasing/decreasing selection part selects the corresponding massage strength in an analog manner.

[Claim 7]

A massager controlling method comprising:

setting a massage mode;

scanning a body of a user and calculating a weight and a spinal length of the user; and

adjusting an operation time of a corresponding massage pattern by controlling a moving speed of a driving module on the basis of the calculated body shape information,

wherein the adjusting adjusts so that the massage pattern which is set by the user is adjusted to end at the same time, while maintaining the same massage pattern, regardless of the calculated weight and spinal length of the user, adjusts so that the moving speed of the driving module varies uniformly according to variation of the load applied to the driving module by the weight of the user, and calculates the moving speed of the driving module on the basis of a predetermined standard operation time and the spinal length of the user for the corresponding massage pattern to adjust the moving speed of the driving module.

[Claim 8]

The method of claim 7, wherein the adjusting comprises controlling a transferring motor configured to horizontally transfer the driving module to adjust the moving speed of the driving module.

[Claim 9]

The method of claim 7,

wherein the setting comprises setting the operation time of the corresponding massage pattern; and

the adjusting comprises adjusting the moving speed of the driving module so that the corresponding massage pattern is ended according to the set operation time.

[Claim 10]

The method of claim 9, wherein the adjusting comprises adjusting the moving speed of the driving module on the basis of the set operation time and the spinal length of the user.

[Claim 11]

A massager controlling method comprising:

setting massage strength and a massage pattern;

controlling a driving module so that the driving module is driven at the selected massage strength;

selecting increasing/decreasing of the selected massage strength to minutely adjust the massage strength; and

increasing or decreasing a moving speed of the driving module according to the increasing/decreasing selection and adjusting the massage strength.