CLAIMS

[Claim 1] A massage system comprising:

a massage chair having a plurality of massaging mechanisms, each massaging mechanism for massaging a corresponding one of a plurality of body parts of a user; and

an input device in data communication with the massage chair, the input device having a touch screen display; wherein the input device is operable to:

display on the touch screen display a body part selection screen that includes a human body representation and a plurality of body part representations corresponding to the body parts of the user; each body part representation being individually selectable for actuating a corresponding massaging mechanism to massage a corresponding body part of the user; wherein at least one of the plurality of body part representations being of an irregular shape and of a size that at least substantially covers a corresponding body part of the human body representation.

[Claim 2] The massage system according to [Claim 1], wherein the irregular shape includes a plurality of border segments, each border segment being defined according to a cubic Bezier curve.

[Claim 3] The massage system according to [Claim 1], wherein an irregular polygon is defined based on the irregular shape.

[Claim 4] The massage system according to [Claim 3], wherein detecting whether the irregular shape is selected by a touch is based on determining whether the touch is within the irregular polygon.

[Claim 5] The massage system according to [Claim 4], wherein determining whether the touch is within the irregular polygon is based on a Jordan curve theorem.

[Claim 6] The massage system according to [Claim 3], wherein vertices of the irregular polygon lie on a border of the irregular shape.

[Claim 7] The massage system according to [Claim 1], wherein the irregular shape includes a plurality of border segments and at least one of the plurality of border segments follows a contour of the corresponding body part of the human body representation.

[Claim 8] The massage system according to [Claim 1], wherein each body part representation is further selectable for adjusting at least one parameter of the corresponding massaging mechanism.

[Claim 9] The massage system according to [Claim 8], wherein each body part representation is selectable, via a tap for selecting the corresponding massaging mechanism; and is selectable, via at least one of a press, slide gesture and a double-tap for adjusting the at least one parameter of the corresponding massaging mechanism.

[Claim 10] The massage system according to [Claim 8], wherein the input device is further operable to display a parameter adjustment screen when a body part representation is selected for adjusting at least one parameter of the corresponding massaging mechanism, the parameter adjustment screen including:

the human body representation with the selected body part representation distinguished from the other body part representations; and

at least one parameter for adjustment adjacent the human body representation.

[Claim 11] The massage system according to [Claim 10], wherein the parameter adjustment screen further includes a massage button that is actuatable before adjustment of the at least one parameter can proceed.

[Claim 12] The massage system according to [Claim 1], wherein the plurality of massaging mechanisms comprise a shoulder massaging roller whose position along

a backrest of the massage chair is selectable during a shoulder roller positioning mode, and the input device is further operable to display in a shoulder roller positioning screen a representation of the shoulder massaging roller and a representation of the backrest, wherein a position of the shoulder massaging roller representation along the backrest representation is shown in synchronization with a movement of the shoulder massaging roller along the backrest of the massage chair.

[Claim 13] The massage system according to [Claim 12], wherein the massage chair comprises a plurality of sensors for detecting the position of the shoulder massaging roller along the backrest, and the massage chair sends positional information to the input device as each of the plurality of sensors detects the shoulder massaging roller in its proximity for the input device to position the shoulder massaging roller representation in a corresponding position in the shoulder roller positioning screen.

[Claim 14] The massage system according to [Claim 12], wherein the shoulder roller positioning screen includes a human body representation that appears only after the position of the shoulder massaging roller has been selected; the human body representation having a shoulder portion that is adjacent the shoulder massaging roller representation.

[Claim 15] A device in data communication with a massage chair having a plurality of massaging mechanisms, each massaging mechanism for massaging a corresponding one of a plurality of body parts of a user, the device comprising:

a touch screen display;

wherein the device is operable to:

display on the touch screen display a body part selection screen that includes a human body representation and a plurality of body part representations corresponding to the body parts of the user; each body part representation being individually selectable for actuating a corresponding massaging mechanism to massage a corresponding body part of the user; wherein at least one of the plurality of body part representations being of an irregular shape and of a size that at least

substantially covers a corresponding body part of the human body representation.

[Claim 16] The device according to [Claim 15], wherein the irregular shape includes a plurality of border segments, each border segment being defined according to a cubic Bezier curve.

[Claim 17] The device according to [Claim 16], wherein an irregular polygon is defined based on the irregular shape.

[Claim 18] The device according to [Claim 17], wherein detecting whether the irregular shape is selected by a touch is based on determining whether the touch is within the irregular polygon.

[Claim 19] The device according to [Claim 17], wherein determining whether the touch is within the irregular polygon is based on a Jordan curve theorem.

[Claim 20] The device according to [Claim 17], wherein vertices of the irregular polygon lie on a border of the irregular shape.