CLAIMS

1. A skin management device comprising:

a main body portion having a suction cup;

an electrode tip provided on an inner circumferential surface of the suction cup;

a high frequency generation portion configured to apply a high frequency to the electrode tip;

a suction pump configured to provide suction power to the suction cup;

a contact sensor provided on the inner circumferential surface of the suction cup and disposed around the electrode tip; and

a controller configured to control operations of the high frequency generation portion and the suction pump,

wherein the suction pump operates to suck a user′s skin into the suction cup, and when the user′s skin contacts the contact sensor, the contact sensor transmits a contact signal to the controller, and

the controller, when receiving the contact signal, recognizes suction of the user′s skin and operates the high frequency generation portion to apply a high frequency to the user′s skin through the electrode tip,

wherein the contact sensor comprises

a first contact sensor and a second contact sensor,

the first contact sensor is disposed at a position lower than the second contact sensor,

the first contact sensor generates a first contact signal,

the second contact sensor generates a second contact signal, and

the controller, when receiving the first contact signal, operates the high frequency generation portion, and when receiving the second contact signal, controls operation of the suction pump.

2. The skin management device of claim 1, wherein, when the contact signal is removed, the controller stops the operation of the high frequency generation portion.

3. The skin management device of claim 1, wherein the electrode tip is

disposed on an inner circumferential surface of the main body portion to protrude inwardly.

4. The skin management device of claim 1, wherein the electrode tip comprises a positive tip and a negative tip, and

the positive tip and the negative tip are disposed on an inner circumferential surface of the main body portion at positions facing each other.

5. The skin management device of claim 1, wherein the contact sensor is disposed at a position parallel to or lower than the electrode tip.

6. The skin management device of claim 1, wherein the controller, when receiving the second contact signal, stops operation of the suction pump, or reduces suction power of the suction pump.

7. The skin management device of claim 1, further comprising a temperature sensor disposed around the electrode tip,

wherein the controller is further configured to provide a notification or control operation of the high frequency generation portion, according to a temperature sensed by the temperature sensor.