CLAIMS

1. An electrostatic chuck comprising:

a base substrate;

an electrostatic chuck plate fixed on the base substrate, the electrostatic chuck plate having an electrode therein; and

an electrode part disposed in a hole in the base substrate to supply power to the electrode,

wherein the electrode part comprises:

a housing inserted into the hole in the base substrate;

an electrode rod passing through the inner wall of the housing such that one end thereof is in contact with the electrode; and

an elastic support body configured to support the electrode rod at multiple points on the inner wall of the housing,

wherein the electrode rod is in contact with the electrode of the electrostatic chuck plate at a longitudinal end, and the elastic support body applies an elastic force to the electrode rod at multiple points along the circumference of the inner wall of the housing in a central direction perpendicular to the longitudinal direction of the electrode rod.

2. The electrostatic chuck of claim 1, wherein the electrode part comprises a support part disposed in the inner wall of the housing and configured to receive a plurality of ball springs as the elastic support body,

wherein the plurality of ball springs are provided along the circumference of the support part and configured to apply an elastic force in the central direction of the support part.

3. The electrostatic chuck of claim 2, wherein the electrode rod comprises a contact part which is engaged with the one end thereof by screw coupling to be in contact with the electrode.

4. The electrostatic chuck of claim 3, wherein the electrode rod further comprises a head part formed at the other end thereof and having a diameter greater than a through-hole of the support part, and

the housing comprises:

a first housing part comprising the support part and a second through-hole in which the head part of the electrode rod is stably placed; and

a second housing part having a third through-hole through which the contact part passes and engaged with the first housing part.

5. The electrostatic chuck of claim 4, wherein the first housing part and the second housing part are engaged with each other by screw coupling.

6. The electrostatic chuck of claim 2, wherein the support part comprises corresponding groove parts in which the plurality of ball springs are stably placed, and

each of the ball springs stably placed in the groove parts comprises a spring having one side supported by the bottom surface of the corresponding groove part, and a ball coupled to the other side of the spring.

7. The electrostatic chuck of claim 2, wherein the support part has a cylindrical or polygonal tubular shape.