WHAT IS CLAIMED IS:

1. An electrostatic chuck, including a base and an electrode arranged inside the base, characterized in that,

the electrostatic chuck further includes a charge releasing unit, the electrode is selectively connected to a power supply arranged outside the electrostatic chuck or the charge releasing unit, to connect to the power supply so as to obtain electrical energy during a manufacturing process and to connect to the charge releasing unit during a charge releasing process so as to release remaining charges on the electrode, and thus remove remaining charges on a work piece held on the electrostatic chuck;

the number of the electrode is two, each of the two electrodes can be selectively connected to the power supply or the charge releasing unit;

the charge releasing unit includes a resistor, and the resistor is connected between the two electrodes to constitute a charge releasing loop during the charge releasing process.

2. The electrostatic chuck according to claim 1, characterized in that, the charge releasing unit is a grounded circuit, and the electrode is connected to the grounded circuit to constitute a path for releasing charges during the charge releasing process.

~~3. The electrostatic chuck according to claim 1, characterized in that, the number of the electrode is two, each of the two electrodes can be selectively connected to the power supply or the charge releasing unit.~~

~~4. The electrostatic chuck according to claim 3, characterized in that, the charge releasing unit includes a resistor, and the resistor is connected between the two electrodes to constitute a charge releasing loop during the charge releasing process.~~

~~5~~3. The electrostatic chuck according to any one of claims 1 to 4~~2~~, characterized in that, a selection switch is among the electrode, the power supply and the charge releasing unit, the electrode is connected to a moving contact of the selection switch, the power supply and the charge releasing unit are connected to two static contacts of

the selection switch respectively, so that the electrode can be selectively connected to the power supply or the charge releasing unit by the moving contact being selectively connected to one of the two static contacts or the other.

~~6~~4. A method for removing remaining charges on an electrostatic chuck, characterized in that, the electrostatic chuck includes a base, a charge releasing unit and an electrode arranged inside the base, and the number of the electrode is two, each of the two electrodes can be selectively connected to the power supply or the charge releasing unit, the charge releasing unit includes a resistor, the method includes steps:

1) during a manufacturing process, placing a work piece on the base, connecting the electrode to a power supply, absorbing the work piece onto the electrostatic chuck by electrostatic attraction between the electrode and the work piece, and performing the manufacturing process;

2) after the manufacturing process is finished, applying an inverse voltage with a polarity opposite to that applied in the step 1) on the electrode, to neutralize charges on the electrode and the work piece generated during the manufacturing process;

3) disconnecting the electrode from the power supply, and connecting the electrode to a charge releasing unit to remove remaining charges on the electrode, and thus remove remaining charges on the work piece held on the electrostatic chuck, the resistor is connected between the two electrodes to constitute a loop for releasing charges so as to release remaining charges on the two electrodes.

~~7~~5. The method for removing remaining charges on an electrostatic chuck according to claim ~~6~~4, characterized in that, the amplitude of the inverse voltage applied in the step 2) is 500V to 2000V and time for applying the inverse voltage is 2s to 6s.

~~8~~6. The method for removing remaining charges on an electrostatic chuck according to claim ~~6~~4, characterized in that, the charge releasing unit is a grounded circuit, and in the step 3), the electrode is connected to the grounded circuit to constitute a path for releasing charges so as to release remaining charge on the electrode.

~~9. The method for removing remaining charges on an electrostatic chuck according to claim 6, characterized in that, the number of the electrode is two, the charge releasing unit includes a resistor, and in the step 3), the resistor is connected between the two electrodes to constitute a loop for releasing charges so as to release remaining charges on the two electrodes.~~

~~10~~7. The method for removing remaining charges on an electrostatic chuck according to claim ~~9~~4, characterized in that, the resistance of the resistor is 5000Ω to 10MΩ.

~~11~~8. The method for removing remaining charges on an electrostatic chuck according to claim ~~6~~4, characterized in that, in the step 3), the electrode is connected to the charge releasing unit for 0.5s to 10s.