CLAIMS

1. A laundry treating device, comprising:

a plasma generator, the plasma generator comprises a power cable, a columnar protection housing and the electrode, the electrode and the power cable being accommodated in the columnar protection housing;

a tub;

a body on which the tub is rotatably supported, a rear end of the tub being provided with an air inlet, a rear sidewall of the body being provided with a first air opening and a second air opening, the second air opening being in communication with the air inlet; and

a rear cover disposed on a rear side of the rear sidewall of the body, the rear cover being provided with a flow guiding channel communicating the first air opening with the second air opening, an electrode of the plasma generator being located in the flow guiding channel of the rear cover, the rear cover comprising a flank portion and a flat bottom portion, the flank portion being disposed around an edge of the flat bottom portion and protruding from a side of the flat bottom portion toward the body, the flank portion and the flat bottom portion together defining the flow guiding channel, the flank portion being hermetically attached to an outer surface of the rear sidewall, the plasma generator being disposed on the flank portion, a part of the columnar protection housing being inserted into the rear cover from a periphery of the rear cover, the plasma generator being connected with the rear sidewall by the columnar protection housing, the columnar protection housing comprising an electrode protection housing, a cable protection housing and a sealing member, the electrode being disposed within the electrode protection housing, the power cable being disposed within the cable protection housing, the sealing member being connected between the electrode protection housing and the cable protection housing, one end of the electrode protection housing adjacent to the sealing member being closed by the sealing member, the rear cover being provided with a mounting hole in which the sealing member is hermetically inserted, the cable protection housing having an open side which faces toward the rear sidewall and is attached to the rear sidewall.

2. The laundry treating device according to claim 1, wherein the electrode is extended from an outside of the rear cover into the flow guiding channel.

3. The laundry treating device according to claim 1, wherein the plasma generator does not extend beyond a rear side surface of the rear cover in a front-rear direction of the laundry treating device.

4. The laundry treating device according to claim 1, wherein the laundry treating device comprises a door disposed at a front side of the body, the door being provided with a light penetrable region, the electrode of the plasma generator being exposed at the air inlet, a glow generated by the electrode being visible from a front side of the light penetrable region.

5. The laundry treating device according to claim 1, wherein the columnar protection housing is provided with a stepped surface in a circumferential direction, an outer surface of the rear cover abutting against the stepped surface.

6. The laundry treating device according to claim 1, wherein a plurality of limiting ribs are provided within the cable protection housing, the plurality of the limiting ribs being spaced apart from each other in an extension direction of the cable protection housing, a top end of one of two adjacent limiting ribs being in contact with the power cable, and a bottom end of the other of the two adjacent limiting ribs being in contact with the power cable.

7. The laundry treating device according to claim 1, wherein an end of the cable protection housing adjacent to the sealing member is provided with a protrusion extended inwardly, an outer surface of the sealing member intended to cooperate and contact with the cable

protection housing being provided with a mounting groove, the sealing member is configured to be snap-fitted into the cable protection housing from the open side of the cable protection housing, to engage the protrusion into the mounting groove.

8. The laundry treating device according to claim 1, wherein the electrode protection housing is provided with an accommodating cavity for accommodating the electrode, the accommodating cavity having an open side facing toward the air inlet, plasma generated by the electrode being let out only through the open side of the accommodating cavity.

9. The laundry treating device according to claim 1, wherein one end of the electrode protection housing adjacent to the sealing member is provided with a ledge projecting from a circumferential surface of the electrode protection housing, the sealing member being provided with a mounting chamber, a corresponding sidewall of the mounting chamber being provided with an annular groove, one end of the electrode protection housing being inserted into the mounting chamber, and the ledge being snap-fitted into the annular groove.