

---

Plasma applicator

---

Abstract

The invention relates to an electrotechnical core for generating a cold atmospheric pressure or low-pressure plasma for the treatment of human and/or animal and/or technical surfaces. The electrotechnical core has a side facing the surface to be treated and a side facing away from the surface to be treated and comprises the following layers, arranged above one another, starting from the side facing the surface to be treated:

- a first insulation layer,
- a first electrode structure which is provided with a first contact for establishing electrical contact between the first electrode structure and a power supply unit and which is grounded during operation,
- a second insulation layer, which is embodied to galvanically isolate the first electrode structure and a second electrode structure from one another,
- a second electrode structure which is provided with a second contact for establishing electrical contact between the second electrode structure and a power supply unit and which is driven during operation by a voltage signal that is supplied by a power supply unit and that is sufficient to ignite a plasma,
- a third insulation layer, which is embodied to galvanically isolate the second electrode structure and a third electrode structure from one another,
- a third electrode structure which is provided with a third contact in order to ground the third electrode structure during operation.

(Fig. 19)