CLAIMS

[Claim 1] A plasma generator comprising:

a dielectric layer;

first and second electrodes arranged side by side within the dielectric layer; and

a power supply for applying a predetermined voltage to the first and second electrodes,

wherein the dielectric layer is formed of a polymer resin having high heat resistance and high permittivity, and

a first metal layer is arranged spaced apart a predetermined distance from a surface of the dielectric layer and is made to face the first and second electrodes so as to cover the entire first and second electrodes from the surface side of the dielectric layer.

[Claim 2] The plasma generator according to claim 1, wherein a second metal layer is arranged spaced apart a predetermined distance from a back surface of the dielectric layer and is made to face the first and second electrodes so as to cover the entire first and second electrodes from the back surface side of the dielectric layer.

[Claim 3] The plasma generator according to claim 1 or 2, wherein the metal layer is provided with a plurality of holes for flowing out a fluid produced in a gap between the metal layer and the dielectric layer toward a surface of the metal layer.

[Claim 4] The plasma generator according to claim 3, wherein the metal layer is formed in a mesh shape.

[Claim 5] The plasma generator according to any one of claims 1 to 4, wherein the metal layer is formed of a metal having a sterilization action.

[Claim 6] The plasma generator according to any one of claims 1 to 5, wherein the polymer resin is any one of a polyimide resin, a fluorine-based resin, and a silicone resin.

CLAIMS

[Claim 1]

A plasma generator comprising:

a dielectric layer;

first and second electrodes arranged side by side within the dielectric layer; and

a power supply for applying a predetermined voltage to the first and second electrodes,

wherein the dielectric layer is formed of a polymer resin having high heat resistance and high permittivity, and

a first metal layer is arranged spaced apart a predetermined distance from a surface of the dielectric layer and is made to face the first and second electrodes so as to cover the entire first and second electrodes from the surface side of the dielectric layer.

[Claim 2]

The plasma generator according to claim 1, wherein a second metal layer is arranged spaced apart a predetermined distance from a back surface of the dielectric layer and is made to face the first and second electrodes so as to cover the entire first and second electrodes from the back surface side of the dielectric layer.

[Claim 3]

The plasma generator according to claim 1, wherein the metal layer is provided with a plurality of holes for flowing out a fluid produced in a gap between the metal layer and the dielectric layer toward a surface of the metal layer.

[Claim 4]

The plasma generator according to claim 3, wherein the metal layer is formed in a mesh shape.

[Claim 5]

The plasma generator according to claim 1, wherein the metal layer is formed of a metal having a sterilization action.

[Claim 6]

The plasma generator according to claim 1, wherein the polymer resin is any one of a polyimide resin, a fluorine-based resin, and a silicone resin.