Claims

1. Electrode arrangement for an ozone generator with a tubular outer electrode (1), which concentrically encloses a tubular dielectric (2) at a distance therefrom, wherein the dielectric (2) concentrically encloses a rod (3) at a distance therefrom, and wherein a filler material (4) is provided in the interstice between the outer electrode (1) and the dielectric (2) and a filler material (5) is provided in the interstice between the dielectric (2) and the rod (3), **characterised in that** the rod (3) is an insulator and the filler material (5) forms an inner electrode.

2. Electrode arrangement according to claim 1, **characterised in that** the rod (3) is solid.

3. Electrode arrangement according to claim 1, **characterised in that** the rod (3) is hollow.

4. Electrode arrangement according to any one of the preceding claims, **characterised in that** the rod (3) is circular.

5. Electrode arrangement according to any one of the preceding claims, **characterised in that** the rod (3) is made of glass.

6. Electrode arrangement according to any one of the preceding claims, **characterised in that** the filler material (4) and the filler material (5) are made of a knitted wire mesh.

7. Electrode arrangement according to any one of the preceding claims, **characterised in that** the filler material (5) in the interstice between the dielectric (2) and the rod (3) is provided with a connection for an electrical power supply (10).

8. Electrode arrangement according to any one of the preceding claims, **characterised in that** the rod (3) arranged in the centre of the electrode arrangement is made of glass or another material that is compatible with oxygen and ozone.

CLAIMS

1. An electrode arrangement for an ozone generator with a tubular outer electrode, which concentrically encloses a tubular dielectric at a distance therefrom, wherein the dielectric concentrically encloses a rod at a distance therefrom, and wherein a filler material is provided in an interstice between the outer electrode and the dielectric and another filler material is provided in an interstice between the dielectric and the rod, wherein the rod is an insulator and the another filler material forms an inner electrode.

2. The electrode arrangement according to claim 1, wherein the rod is solid.

3. The electrode arrangement according to claim 1, wherein the rod is hollow.

4. The electrode arrangement according to claim 1, wherein the rod is circular.

5. The electrode arrangement according to claim 1, wherein the rod is made of glass.

6. The electrode arrangement according to claim 1, wherein the filler material and the another filler material comprise a knitted wire mesh.

7. The electrode arrangement according to claim 1, wherein the another filler material in the interstice between the dielectric and the rod is provided with a connection for an electrical power supply.

8. The electrode arrangement of claim 1, wherein the inner electrode is connected to an electrical power supply.

9. The electrode arrangement according to claim 1, wherein the rod arranged in a center of the electrode arrangement is made of glass or another material that is compatible with oxygen and ozone.

10. An electrode arrangement for an ozone generator, the electrode arrangement comprising:

a rod configured as an insulator;
a tubular dielectric concentrically enclosing the rod;

an inner electrode comprising a first filler interstitially disposed between the dielectric and the rod;
a tubular outer electrode concentrically enclosing the tubular dielectric; and
a second filler interstially disposed between the outer electrode and the dielectric.

11. The electrode arrangement of claim 10, wherein the rod comprises glass.

12. The electrode arrangement of claim 10, wherein the first filler and the second filler comprise knitted wire mesh.