

Abstract

Ozone generator with position-dependent discharge distribution

The invention relates to an ozone generator comprising a high-voltage electrode (5) and at least one counter electrode (1), which define an interstice in which at least one dielectric (2) is arranged and through which a gas flows in the flow direction, the high-voltage electrode (5) and the at least one counter electrode (1) being provided with a connection for an electrical voltage supply (7) to generate silent discharges which are discharged from surface locations, and wherein the mean spacing between the high-voltage electrode (5) and the at least one counter-electrode (1) and the mean sparking distance are constant, wherein the number of surface locations from which the silent discharges are discharged decreases in the flow direction.

Figure 2