Title (en)

OZONE GENERATOR

Title (de)

OZONERZEUGER

Title (fr)

GENERATEUR D'OZONE

Publication

EP 1144303 A2 20011017 (EN)

Application

EP 00961945 A 20000915

Priority

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Abstract (en)

[origin: WO0119729A2] The present invention relates to various forms of ozone generator having a discharge means and a reflecting screen and methods for their application. The discharge means is a rough-surfaced dielectric element with central aperture and rectangular cross-section sandwiched between a first electrode and a second electrode. The first electrode is a plurality of helical windings that contact a plurality of flanges on the dielectric element and the second electrode is an electrically conductive coating which overlies the rough surface of the dielectric element. One form of the ozone generator has a central unit and two side units, where the side units can be rotated to form various shapes. The various shapes of the ozone generator can be used for room deodorizing, clothes freshening, and shoe deodorizing. Other applications for various forms of the ozone generator include treating and maintaining hair of humans and pets, room deodorizing, and shoe deodorizing. Other forms of electrode can be used in the various forms of the ozone generator, including electrodes in the shape of a ring and a plate with a sharpened tip and electrodes in the shape of a filament and a plate with an elongated slot.

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