

Title (en)

GASEOUS BLEND OF CO₂ AND O₃ AND ITS USE FOR BIOLOGICAL BURDEN REDUCTION

Title (de)

GASFÖRMIGE MISCHUNG AUS CO₂ UND O₃ UND IHRE VERWENDUNG ZUR BIOLOGISCHEN ENTLASTUNG

Title (fr)

MELANGE GAZEUX DE CO₂ ET DE O₃ ET SON UTILISATION EN VUE DE REDUIRE LA CHARGE BIOLOGIQUE

Publication

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Application

EP 02725205 A 20020315

Priority

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Abstract (en)

[origin: WO02074349A1] A gaseous blend of CO₂ and O₃ and a method for applying a continuous stream of a gaseous blend of CO₂ and O₃ to a material are disclosed. The gaseous blend and the method significantly reduce the biological load on consumer products, such as food products, botanicals and cosmetic ingredients; in building structures; on transportation containers; and in soil. A shipping container (1) is covered with an O₃-resistant tarpaulin (2). The shipping container (1) contains material (3) to be treated. The shipping container (1) is connected via piping and appropriated control valves to a O₃ generator (4) at one end and to a destruct unit (5) at another. A first fan (6) is employed to draw gas from the O₃ generator (4) into the shipping container (1). A second fan (6') is employed to draw gas from the shipping container (1) to the destruct unit (5). A gas analyzer (7) is employed to determine the concentration of O₃ in the shipping container (1).

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Citation (search report)

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