

Title (en)

GASEOUS BLEND OF CO<sub>2</sub> AND O<sub>3</sub> AND ITS USE FOR BIOLOGICAL BURDEN REDUCTION

Title (de)

GASFÖRMIGE MISCHUNG AUS CO<sub>2</sub> UND O<sub>3</sub> UND IHRE VERWENDUNG ZUR BIOLOGISCHEN ENTLASTUNG

Title (fr)

MELANGE GAZEUX DE CO<sub>2</sub>? ET DE O<sub>3</sub>? ET SON UTILISATION EN VUE DE REDUIRE LA CHARGE BIOLOGIQUE

Publication

**EP 1385557 A4 20040616 (EN)**

Application

**EP 02725205 A 20020315**

Priority

- US 0208147 W 20020315
- US 27604101 P 20010316
- US 90368501 A 20010713

Abstract (en)

[origin: WO02074349A1] A gaseous blend of CO<sub>2</sub> and O<sub>3</sub> and a method for applying a continuous stream of a gaseous blend of CO<sub>2</sub> and O<sub>3</sub> 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 O<sub>3</sub>-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 O<sub>3</sub> generator (4) at one end and to a destruct unit (5) at another. A first fan (6) is employed to draw gas from the O<sub>3</sub> 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 O<sub>3</sub> in the shipping container (1).

IPC 1-7

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IPC 8 full level

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Citation (search report)

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