Title: OZONE BASED SANITIZER

Abstract: A sanitizing apparatus having an enclosure (110), and inlet connector (120) and an exhaust outlet (140) is provided. The enclosure (110) of the apparatus is substantially impermeable to ozone and has an inner volume and a sealable opening (160). Inanimate items or user’s bodily extremities can be inserted into the opening (160) which can be sealed to form airtight barrier around or with the inserted item. Ozone can be introduced to the inner volume through the inlet-connector (120). Pathogens on the surface of the item are deactivated through the exposure to ozone. Clumped pathogens can be broken down using vibrational energy or rubbing. Once sanitized, the oxygen-based gas mixture contained in the enclosure can be released through the exhaust-outlet (140). Catalysts, such as carbon filters and heat, can be used to ensure that all ozone has been decomposed into oxygen. The sanitizing apparatus is safe, rapid, and effective.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61L 2/00( 2006.01); A61L 9/00( 2006.01); A61L 2/18( 2006.01); A61L 9/00( 2006.01)

USPC: 422/28,292
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
U.S.: 422/28,292

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
East (US-PGPUB, USPAT, USOCR, EPO, JPO, DERWENT, IBM_TDB)-See Search History Printout

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>10, 11, 14, 19</td>
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<tr>
<td>Y</td>
<td>JP 411197056 A (Fukumoto, Masami) 17 July 1999 (17.07.1999), Drawings 1-6</td>
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<td>Y</td>
<td>US 6,343,425 B1 (Sias et al.) 5 February 2002 (05.02.2002), column 3 lines 25-45, column 5, lines 1-10</td>
<td>5, 6</td>
</tr>
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</table>

Further documents are listed in the continuation of Box C.
See patent family annex.

Date of the actual completion of the international search
26 September 2007 (26.09.2007)

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