Title: AUTOMATIC SELF CLEANING BLADDER RELIEF SYSTEM AND FAILSAFE

Abstract: This invention relates to an automatic or semi-automatic bladder relief system, specifically designed to increase the overall sanitation and comfort for users that may require a means to dispose of their urine in the absence of other sanitary facilities due to situations such as aircraft pilots and incontinent individuals. For user comfort this invention incorporates an inflatable urine collection means that may be deflated after use. To prevent user error and failure to recharge the power unit this invention incorporates a disposable battery that is integrated into a disposable urine storage bag. This invention also utilizes a disposable urine storage bag with an isolated cleaning fluid chamber with a directional valve system and directional pump system that automatically rinses and sanitizes the pump, hoses, collection means and the user with a cleaning fluid stored in the cleaning fluid chamber of the disposable urine storage bag.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/43692

A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61M 100/ (2006.01),2100/ (2006.01);A61F 5/44( 2006.01);A61B 19/00( 2006.01);A47K 11/00( 2006.01);B65D 81/00( 2006.01)
USPC: 604/540,544,317-357;4/144.1-144.4;128/849;600/574,578,579
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.: 604/540, 544, 317-357; 4/144.1-144.4; 128/849; 600/574, 578, 579

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, PALM

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>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 5,911,222 A (Lawrence et al.) 15 June 1999 (15.06.1999). col. 10, lines 17 and 18.</td>
<td>1-29</td>
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<tr>
<td>Y</td>
<td>US 2002/0193762 A1 (Suydam) 19 December 2002 (19.12.2002), see fig. 4.</td>
<td>1-29</td>
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<td>US 4,356,012 (Hofstetter) 26 October 1982 (26.10.1982), col. 1, lines 31-42.</td>
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<td>26, 27</td>
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Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:
  "A" document defining the general state of the art which is not considered to be of particular relevance
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  "O" document referring to an oral disclosure, use, exhibition or other means
  "P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search
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<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
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<tr>
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<td>WO 00/57784 A1 (Wolff et al.) 05 October 2000 (05.10.2000), page 4, lines 16-28.</td>
<td>2, 4, 6, 8, 10, 12-14, 18, 20-25, 27, 29</td>
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