Title: INTERMODAL CONTAINER CONTENT EVALUATION SYSTEM

Abstract: Apparatus, method and computer-based operational-management/data-archiving system for screening of the contents of intermodal cargo containers (sea/land and air freight containers) arriving at ports of entry, for presence of hazardous materials by utilization of a Container Environmental Sampling System (CESS). The CESS samples the interior environment of each container during crane unloading but before trans-shipping. A sample of the container “air” is withdrawn via a container-mounted interface component (CIC). The air sample is passed into contact with an external Sensor Analysis Component (SAC) mounted on the lifting frame of a container off-load crane. The container ID is read and archived. The SAC generates a Go/No-Go signal indicative of whether detected hazardous materials are above or below a threshold, to determine presence of hazardous materials, WMD, explosives, biological, chemical agents, or biomarkers from humans and/or narcotics. Containers determined to be potentially contaminated are then diverted for further detailed inspection or counter-measures.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

| IPC: | G08B 1/08( 2006.01),13/00( 2006.01),13/08 ( 2006.01) |

| USPC: | 340/539.1,539.13,539.16,539.26,539.31,541,545.2 |

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.: Please See Continuation Sheet

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)

**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>
</table>

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

* "A" document defining the general state of the art which is not considered to be of particular relevance
* "E" earlier application or patent published on or after the international filing date
* "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
* "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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

**Date of the actual completion of the international search**

05 June 2008 (05.06.2008)

**Date of mailing of the international search report**

22 JUL 2008

**Name and mailing address of the ISA/US**

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer
Jeffrey A Hofsass
Telephone No. (571) 272-3050

Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 1:
340/539.1,539.13,539.16,539.26,539.31,541.545.2