A docked emulation system is provided which accesses real flight software and emulates the hardware interaction between an outpost system and a second system docking thereto. The system includes a MIL-STD-1553B software application that accesses data on an emulated MIL-STD-1553B bus to drive external MIL-STD-1553B applications in the second docking system. The system further includes software portal applications that access data traffic on emulated data buses to interface a data exchange between the outpost flight software and simulation models for outpost craft avionics and other components. A telemetry server in the system provides raw data from the flight software into a format complying with control center applications. The docked emulation system allows analysis of an emulated docking interaction between two outpost systems from a PC workstation without requiring access to actual flight computers of either system.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/US07/76599

A. CLASSIFICATION OF SUBJECT MATTER
IPC: G09B 9/02 (2006.01); G09B 9/08 (2006.01); G06G 7/48 (2006.01)

USPC: 434/29;30;34;703/8
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.: 434/29, 30, 34; 703/8

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)
US-PGPUB, USPAT, EPO, JPO

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>X</td>
<td>US 6,684,182 B1 (GOLD et al) 27 January 2004 (27.01.2004), column 3, lines 32-34 and 61-67; column 4, lines 10-15 and 19-22 and 37-40 and 53-65; Figure 1.</td>
<td>1-7</td>
</tr>
</tbody>
</table>

D 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
   'E' earlier application or patent published on or after the international filing date
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Date of the actual completion of the international search
20 June 2008 (20.06.2008)

Date of mailing of the international search report
20 AUG 2008

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Form PCT/ISA/210 (second sheet) (April 2007)