An ACS therapy system for continuously monitoring Intra-Abdominal Pressure (IAP) and preventing the onset of ACS. The automated ACS therapy system includes a urine withdrawal device, an IAP regulation circuit, an IAP monitor connected to the urine withdrawal device to supply an IAP value to the IAP regulation circuit, and an abdominal fluid removal device. The abdominal fluid removal device may be connected to an active suction device, which drains fluid from the abdominal cavity through the abdominal fluid removal device when activated by the IAP regulation circuit. Based on the IAP value, the IAP regulation circuit may send a control signal that turns on and starts removing fluid from the abdominal cavity. When the IAP value reaches certain levels, the IAP regulation circuit may cause the active suction device to be turned off.
INTERNATIONAL SEARCH REPORT

A CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61 B 5/00 (2008.04)
USPC - 600/561
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)
IPC(8) - A61B 5/00 (2008 04)
USPC - 600/561

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
600/300, 604/317,319

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>
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Date of the actual completion of the international search
31 July 2008 (31 07 2008)

Date of mailing of the international search report
08 AUG 2008

Name and mailing address of the ISA/US
31 July 2008 (31 07 2008)

Mail Stop PCT, Attn ISA/US, Commissioner for Patents
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PCT/ISA/210 (second sheet) (Apr 2007)