Title: SYSTEM AND METHOD FOR DELIVERY OF REGIONAL CITRATE ANTICOAGULATION TO EXTRACORPOREAL BLOOD CIRCUITS

Abstract: The present invention includes a comprehensive replacement fluid system and method for the delivery of regional citrate anticoagulation (RCA) to extracorporeal blood circuits, wherein the system may include an online clearance monitor (OCM) and a circuit effluent online sensor system (OSS) for the continuous determination of patient plasma content of ultrafilterable solutes.
## INTERNATIONAL SEARCH REPORT

### A. CLASSIFICATION OF SUBJECT MATTER

<table>
<thead>
<tr>
<th>IPC:</th>
<th>A61M 37/00(2006 01)</th>
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USPC: 604/6.07

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.: 604/6.07

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)

Please See Continuation Sheet

### 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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</thead>
<tbody>
<tr>
<td>X</td>
<td>US 2004/0133 145 A1 (BENE) 08 July 2004 (08.08.2004) see entire document.</td>
<td>1-144</td>
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<td>T</td>
<td>US 2007/0066928 A1 (LANNOY) 22 March 2007 (22.03.2007) see entire document.</td>
<td>1-144</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

### Date of the actual completion of the international search

20 August 2008 (20.08.2008)

Name and mailing address of the ISA/US

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Date of mailing of the international search report

02 SEP 2007

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Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 3
WEST, DIALOG
SEARCH TERMS regional, anticoagulation, citrate, filter, inlet, outlet, venous, arterial, pump, system, blood