International Patent Classification: A61F 7/12 (2006.01)

Abstract: The present invention provides a system for chemohyperthermia treatment. The chemohyperthermia treatment system comprises a reservoir (20) for storing fluid; a heating/cooling system (30) coupled to the reservoir so that the fluid can be transferred from the reservoir to the heating system, wherein the heating/cooling system comprises a heating/cooling exchange module (200) having a channel within which the fluid can flow; and a plurality of peltier modules/heating strips coupled to the heating/cooling module, wherein the plurality of peltier modules/heating strips (230) heat up the fluid flowing through the channel (206) and wherein in the cooling mode, the plurality of peltier modules (230) cool the fluid flowing through the channel (206); a pumping means (40) coupled to the heating/cooling system, wherein the pumping means (40) pumps the perfusion fluid from the reservoir (20) to the heating/cooling system (30), thereby allowing the heating/cooling system (30) to change the temperature of the fluid; at least one inflow catheter (72, 73) coupled to the pumping means (40), wherein the at least one inflow catheter (72, 73) delivers the heated/cooled fluid to an object; and at least one outflow catheter coupled to reservoir, wherein the at least one outflow catheter (74, 75) draws the fluid from the object to the reservoir (20).
## A CLASSIFICATION OF SUBJECT MATTER

**IPC**: A61F 7/12 (2006.01)

According to International Patent Classification (IPC) or to both national classification and IPC

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## B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC**: A61F 7/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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## 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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<tr>
<td>A</td>
<td>RU 2271207 C1 (DEFENCE MIN CLINICAL HOSPITAL) 10 March 2006 (10.03.2006) abstract</td>
<td>1, 15, 25</td>
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## D Further documents are listed in the continuation of Box C

- **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: 20 March 2008 (20.03.2008)

Date of mailing of the international search report: 7 April 2008 (07.04.2008)

Name and mailing address of the ISA/ A/T

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<table>
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<td>RU A 2271207</td>
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<td>2006-03-10</td>
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FoπnPCr/ISA/210  (patent family annex) (July 1998; reprint January 2004)