Abstract: A surgical probe system includes a fluid supply line connectable at an inlet section to a source of cryogenic fluid; a fluid connector assembly securely connected to an outlet section of the fluid supply line for receiving fluid from the outlet section of the fluid supply line; and, a detachable cryosurgical probe detachably connectable to the fluid connector assembly. The cryosurgical probe system includes the capability of providing return fluid flow.
Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Date of publication of the international search report: 22 September 2005

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**INTERNATIONAL SEARCH REPORT**

**International application No.**

PCT/US04/20324

A. **CLASSIFICATION OF SUBJECT MATTER**

<table>
<thead>
<tr>
<th>IPC(7)</th>
<th>A61B 18/18</th>
</tr>
</thead>
</table>

**US CL.** 606/21

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. : 606/21

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>
<tbody>
<tr>
<td>Y</td>
<td>US 5,759,182 A (Varney et al.) 2 June 1998, see the entire document.</td>
<td>49-56, 63, 64, 70-85, and 94-96</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,074,412 A (Mikus et al.) 13 June 2000, see the entire document.</td>
<td>49-56, 63, 64, 70-85, and 94-96</td>
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<tr>
<td>Y</td>
<td>US 6,270,476 B1 (Santoanni et al.) 7 August 2001, see the entire document.</td>
<td>49-56, 63, 64, 70-85, and 94-96</td>
</tr>
</tbody>
</table>

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

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Date of the actual completion of the international search: 10 January 2005 (10.01.2005)

Date of mailing of the international search report: 

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