(57) Abstract: A biopsy device (10) having a biopsy channel of constant cross section over its entire length connected to an aspiration and collecting chamber (221) and at least one application channel of varying cross section connected to a dispensing chamber integrally connected with the aspiration chamber (221) at least one application channel is formed by a tube centrally slipped over the biopsy channel wall (261). In order to enable the collection of tissue specimens of an unchanged structure with the most careful handling possible of the tissue specimens getting into the application cannula and obstructing the same, the distal segment of the application channel forms a close fitting and concentric sheath around the biopsy channel (260). The biopsy channel wall (261) projects out of the tube with its acute-angularly designed cutting edge and the tube end encloses an obtuse angle with the biopsy channel (260). The proximal end of the application channel has a large diameter than the distal end allowing for unobstructed flow of the application material past the biopsy channel wall (260) from the distal segment of the application channel. The versatility of the invention permits its use in many applications, for example, liver biopsies, breast biopsies, laparoscopic surgery, and lymphadenectomy procedures.
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

<table>
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<tr>
<th>IPC(7)</th>
<th>US CL</th>
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<td>A 61 B 10/00</td>
<td>600/362</td>
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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. | 600/562, 571; 604/164.01-164.13 |

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

None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST

**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>A</td>
<td>US 6,071,301 A (Cragg et al.) 6 June 2000, see Entire Disclosure</td>
<td>1-12</td>
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<tr>
<td>A</td>
<td>US 6,022,324 A (Skinner) 8 February 2000, See Entire Disclosure</td>
<td>1-12</td>
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<tr>
<td>A</td>
<td>US 5,195,985 A (Hall) 23 March 1993, See Entire Disclosure</td>
<td>1-12</td>
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</tbody>
</table>

□ 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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"P" document published prior to the international filing date but later than the priority date claimed.

"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: 02 June 2002 (02.06.2002)

Date of mailing of the international search report: 08 AUG 2002

Name and mailing address of the ISA/US

Commissioner of Patents and Trademarks

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