Title: ULTRASONIC CONCENTRATION OF DRUG DELIVERY CAPSULES

Abstract: Methods, compositions and apparatus for localized delivery of compounds are provided. In certain embodiments, radiation force is used to direct carriers to a target site, and additional radiation is used to fragment the localized carriers, releasing associate compounds. Ultrasound radiation is preferred as the source for radiation force and for fragmentation. Also encompassed are embodiments in which targeting and fragmentation are combined with imaging of the treatment site. Alternate embodiments are disclosed in which compounds are locally delivered without use of carriers.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): A61K 38/00 (2006.01), 38/02 (2006.01); A61B 8/00 (2006.01)

USPC: 514/2; 424/9.52

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.: 514/2; 424/9.52

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)
PGPB, USPT, EPAB, DWP, TDD, USOC, JPAB, CAPPLUS, MEDLINE, USPATFULL

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>U.S. Patent No. 5,190,766 (ISHIHARA) 02 March 1993 (02.03.1993), col. 3, lines 44-63; col. 4, lines 28-46; col. 4, lines 63-67; col. 5, lines 1-2; claims 1-6; col. 10, lines 14-19 and 27-32.</td>
<td>1, 6-9, 16-17 20-22, 29, 39-42, 45-49</td>
</tr>
</tbody>
</table>

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

Date of the actual completion of the international search
19 March 2007 (19.03.2007)

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (571) 273-3201

Authorized officer
James Henry Alstrum-Acevedo
Telephone No. (571) 272-5548

Form PCT/ISA/210 (second sheet) (April 2005)
<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>WO 03/034975 (CONSTON et al.) 01 May 2003 (01.05.2003); abstract, claims 1-8, 12, 21; page 5, line 18 through page 6, line 8; pg. 11, lines 5-7; page 14, lines 10-14 and 25-27; page 14, line 35 through page 15, line 11.</td>
<td>10-12, 32-38, and 50-52</td>
</tr>
</tbody>
</table>