(54) Title: METHOD AND DEVICE FOR SELECTIVE ADDITION OF A BIOACTIVE AGENT TO A MULTI-PHASE IMPLANT

(57) Abstract: A method and device for assembling a multi-phase implant for insertion into a patient defect site that spans more than one tissue type. The assembly device comprises a base portion (20) and cover portion (30) for constructing a two-phase implant separated by a membrane (23). A repeating intermediate portion (40) that connects the base (20) and cover (30) can be used to construct implants with more than two phases, with each phase separated by a membrane (23). The invention is also for multi-phase implants, wherein adjacent phases are selectively loaded with a bioactive agent selected to promote tissue repair in the tissue surrounding each phase.
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

(88) Date of publication of the international search report:
9 August 2007
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8): A61K 9/22(2006.01); A61F 2/02(2006.01), 2/38(2006.01)

USPC: 604/890.1; 623/11.11, 20.17
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.: 604/890.1, 891.1, 892.2; 623/11.11, 14.13, 20.17

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)
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>
</tr>
</thead>
</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

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Date of the actual completion of the international search: 22 May 2007 (22.05.2007)
Date of mailing of the international search report: 15 Jun 2007

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Form PCT/ISA/210 (second sheet) (April 2005)
Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: implant, drug delivery, compartment, tissue, bone