Title: IMPLANTED PROSTHETIC DEVICE

Abstract: An orthopedic device adapted for implantation into a body where it contacts bone tissue is disclosed which has at least one spaced apart polarized magnetic element, at least one piezoelectric element or a combination of a polarized magnetic element and a piezoelectric element which are in direct contact with one another or are separately mounted on the implant. The piezoelectric element being at least partially embedded in a surface of the device which contacts bone tissue for the promotion of osteogenesis or osseointegration.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC:
   A61F 2/28(2006.01)

   USPC:
   623/11,16,18,22
   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.: 623/11,16,18,22

   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)
   US-PGPUB, USPAT, USOCR, EPO, JPO, IBM_TDB

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>X</td>
<td>US 5,759,205 A (VALENTINI) 02 June 1998 (02.06.1998), see all</td>
<td>1-6, 8, 9, 11-13</td>
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<tr>
<td>Y</td>
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<td>7, 10</td>
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<tr>
<td>Y</td>
<td>US 5,733,292 A (GUSTILO et al) 31 March 1998 (31.03.1998), see all</td>
<td>7, 10</td>
</tr>
</tbody>
</table>

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

* Special categories of cited documents:
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   *&* document member of the same patent family

Date of the actual completion of the international search
09 March 2007 (09.03.2007)

Date of mailing of the international search report
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