(57) Abstract: One embodiment of the present invention relates to a prosthesis, comprising an acetabular cup, wherein the cup has an open end and a closed end, wherein the open end of the cup is defined by a rim and wherein the rim has an outer facing surface, at least one cavity disposed in the rim, wherein the cavity extends from a first end of the cavity at the outer facing surface to a second end of the cavity that is towards the closed end of the cup, and wherein the cavity comprises an undercut at the second end of the cavity, a locking ring, and at least one tab extending from the locking ring, wherein the tab comprises a first leg and a second leg having a separation therebetween, wherein each leg has a first end and a second end.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 2/34 (2008.04)
USPC - 623/22.21

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)

USPC: 623/22.21

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

IPC(8): A61F 2/34; A61F 2/32, 2/30 (2008.04)
USPC: 623/22.21; 623/22.11, 18.11, 22.28, 22.29, 22.24

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

USPTO WEST (USPT, PGPUB, EPAB, JAPB); 'acetabular cup', 'rim, cavity, groove, undercut, notch, lock$, ring, leg, tab, flexible, resilient, first tab', 'second tab', 'first leg', 'second leg', flange, 'first flange', 'second flange', peg, unlock$, rotat$, inner, surface, protrusion, ridge, raised, lip, cavities Google Scholar

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 2003/0105529 A1 (SYNDER, et al.) 05 June 2003 (05.06.2003), [Abstract], para[0101], [0102], Fig. 25</td>
<td>15-17</td>
</tr>
<tr>
<td>Y</td>
<td>US 2006/0009857 A1 (GIBBS, et al.) 12 January 2006 (12.01.2006), para[0011], [0021], [0023], [0024], Figs. 1, 2</td>
<td>1-14</td>
</tr>
<tr>
<td>Y</td>
<td>US 5,766,260 A (WHITESIDE) 16 June 1998 (16.06.1998), [Abstract], col 1, in 8-29; col 2, in 66-67; col 4, in 17-20; col 5, in 35-38; col 5, in 50-67 to col 6, in 1-2; Figs. 1, 3, 4</td>
<td>1-14</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
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Date of the actual completion of the international search
05 June 2008 (05.06.2008)

Date of mailing of the international search report
2.5 JUN 2008

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