Title: DETACHMENT ACTUATOR FOR USE WITH MEDICAL DEVICE DEPLOYMENT SYSTEMS

Abstract: A detachment actuator for use with an implantable medical device deployment system that guide and deploys the medical device at a target location within a body vessel. The detachment actuator includes a first portion that is connected the implantable medical device and a second portion that is attached to a control member the controls the release of the medical device. The second portion of the detachment actuator detaches and moves away from the first portion of the detachment actuator to move the control member and release the medical device.
A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61 F 11/00 (2007.01)
USPC - 606/108

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: 606/108

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC, all classes (text search-see keywords)

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

PubWEST (PGPB, USPT, EPAB, JPAB), Google Scholar, Google Patents

Detachable, actuator, deployment, trigger, threaded, luer, medical implant, cam, torque, twist, rotate, medical, surgical

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 5,263,964 A (PURDY) 23 November 1993 (23.11.1993) col 4, in 66 to col 5, in 17; col 5, in 46-61; col 6, in 25-33; Fig 1, 2, 6, 7</td>
<td>9-1 1</td>
</tr>
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<td>Y</td>
<td>US 5,381,788 A (MATULA et al.) 17 January 1995 (17.01.1995) col 12, in 50-66; col 14, in 62 to col 15, in 4; Fig 44-46</td>
<td>1-8, 12-28</td>
</tr>
<tr>
<td>Y</td>
<td>US 2004/0225299 A1 (CARRISON et al.) 11 November 2004 (11.11.2004) para [0043], [0044], [0048]; Fig 5</td>
<td>7, 19, 20, 27, 28</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search: 26 August 2007 (26.08.2007)

Date of mailing of the international search report: 13 WLYAY 2008

Name and mailing address of the ISA/US

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