Title: IMPROVED INTUSSUSCEPTION AND ANASTOMOSIS APPARATUS

Abstract: Apparatus (200) for intratubular intussusception and anastomosis of a hollow organ portion includes a cylindrical enclosure (202) and a coaxial intratubular intussusception device (208), and a clamping means (218, 220). The apparatus also includes an intratubular anastomosis apparatus (216) for joining organ portions after intussusception thereof with an anastomosis ring (212) and a crimping support element (214). The ring (212) is formed of a shape memory alloy wire for crimping adjacent organ portions against the crimping support element (214) so as to cause anastomosis therebetween. The ring (212) assumes a plastic or malleable state, at a lower temperature and an elastic state at a higher temperature. The apparatus (200) additionally includes a surgical excising means (234) for excising an intussuscepted organ portion, after crimping adjacent intussuscepted organ walls against the crimping support element (214) with the anastomosis ring (212).
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

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/08
US CL. : 606/153

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. : 606/140, 141, 153, 213, 217

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)
Please 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>
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<tbody>
<tr>
<td>Y</td>
<td></td>
<td>19</td>
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</table>

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

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Continuation of B. FIELDS SEARCHED Item 3:
EAST BRS
search terms: anastomosis, ring, intussusception, crimp, coil, nitinol