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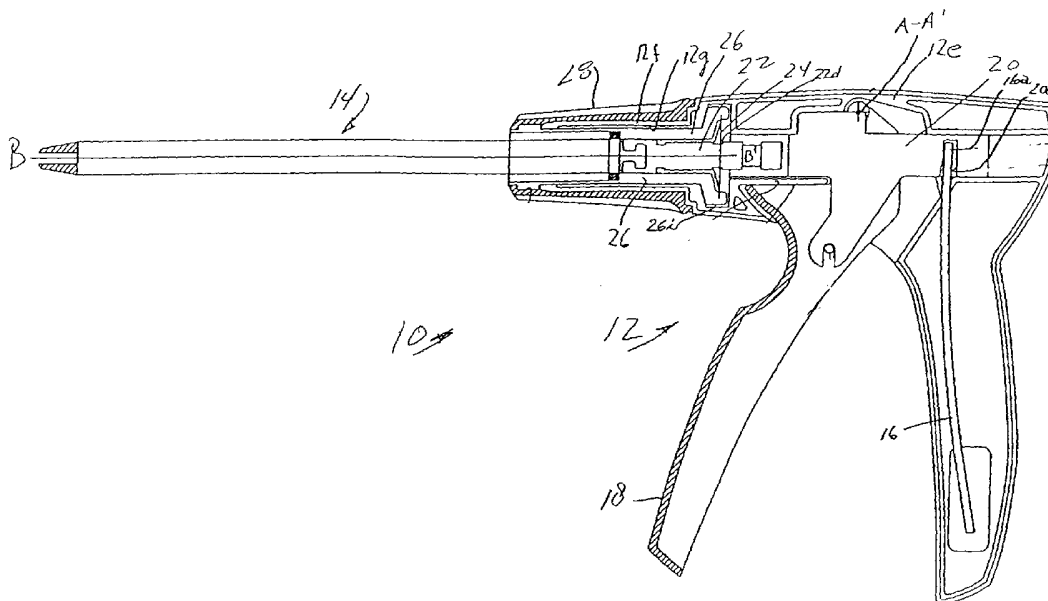
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: ANTI-BACKUP MECHANISM FOR REPEATING MULTI-CLIP APPLIER



(57) Abstract: An instrument (10) for applying clips in surgery having an operating handle (12) with operating components and a clip cartridge with clip applying mechanism. The handle operating components generate reciprocal linear motion imparted to the clip applying mechanism and accommodate rotation of the cartridge about a cartridge axis. An anti-backup mechanism (24) constrains operating components to complete first and second strokes of reciprocal linear motion.

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**INTERNATIONAL SEARCH REPORT**

International application No.  
PCT/US03/38496

<p>A. CLASSIFICATION OF SUBJECT MATTER                  IPC(7) : A61B 17/10                  US CL : 606/143                  According to International Patent Classification (IPC) or to both national classification and IPC</p>													
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols)                  U.S. : 606/143, 142, 219, 139, 140; 227/175.1; 604/209,130</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)</p>													
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <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 4,456,450 A (HELING) 26 June, 1984 (26.06.1984), Figures 4 and 7</td> <td>2</td> </tr> <tr> <td>X</td> <td>US 5,545,147 A (HARRIS) 13 August 1996, (13.08.1996) Abstract, Fig. 2, column 2, lines 15-20</td> <td>2</td> </tr> <tr> <td>X</td> <td>US 5,951,574 A (STEFANCHIK et al.) 14 September, 1999 (14.12.1999); Column 6, lines 1-25; Fig. 2</td> <td>1</td> </tr> </tbody> </table>		Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 4,456,450 A (HELING) 26 June, 1984 (26.06.1984), Figures 4 and 7	2	X	US 5,545,147 A (HARRIS) 13 August 1996, (13.08.1996) Abstract, Fig. 2, column 2, lines 15-20	2	X	US 5,951,574 A (STEFANCHIK et al.) 14 September, 1999 (14.12.1999); Column 6, lines 1-25; Fig. 2	1
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C.      <input type="checkbox"/> See patent family annex.</p>													
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<p>Date of the actual completion of the international search 04 October 2004 (04.10.2004)</p>	<p>Date of mailing of the international search report <b>16 NOV 2004</b></p>												
<p>Name and mailing address of the ISA/US                  Mail Stop PCT, Attn: ISA/US                  Commissioner for Patents                  P.O. Box 1450                  Alexandria, Virginia 22313-1450                  Facsimile No. (703) 305-3230</p>	<p>Authorized officer                  Bradford C Pantuck                  Telephone No. (703) 308-0858  <i>Sneija H. Venev</i>                  Paralegal Specialist                  Tech. Center 3700</p>												