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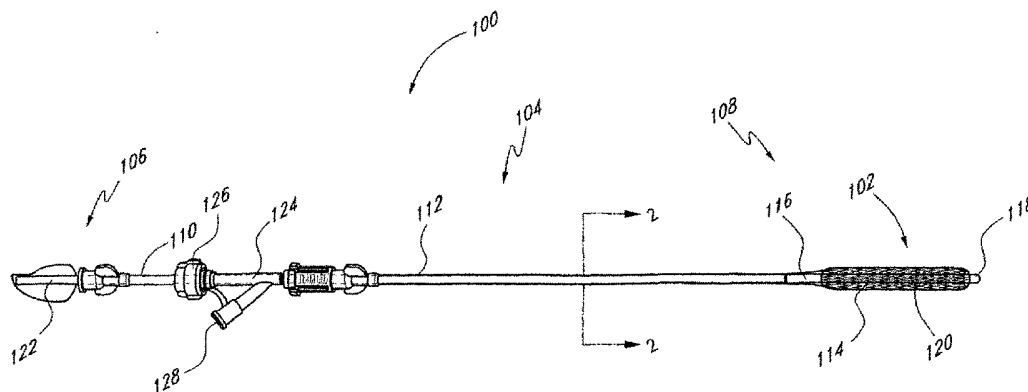
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FORMED IN PLACE FIXATION SYSTEM WITH THERMAL ACCELERATION



(57) Abstract: A subcutaneously formed in place orthopedic fixation device is provided, such as for fixation of the spine or other bone or bones. The device comprises an inflatable member (102), such as a tubular balloon (114). A heat source is provided in thermal communication with the interior of the balloon (114). The balloon (114) is positioned at a treatment site while in a flexible, low crossing profile configuration. The balloon (114) is thereafter inflated with a hardenable media, and heated to accelerate hardening of the media. Methods and delivery structures are also disclosed.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/27516

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61B 17/56

US CL : 606/61

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. : 606/60, 61, 86, 99

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 Extra Sheet.

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| A, P      | US 2002/0082598 A1 (TEITELBAUM) 27 June 2002, see whole document.                  | 1-67                  |
| A         | US 5,795,353 A (FELT) 18 August 1998, see whole document.                          | 1-67                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

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| * Special categories of cited documents:  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  |
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| "P" document published prior to the international filing date but later than the priority date claimed  |  |

Date of the actual completion of the international search

04 FEBRUARY 2003

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/27516

## B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

East:

search terms: In situ formable orthopedic rod, accelerator, balloon, orthopedic fixation device, manifold, heat, valve, method of forming an orthopedic device at treatment site within the body, method of stabilizing orthopedic fracture, stiffening material, anchors, method of treating a patient, rod, curable media, flexible, inflation, stop, hardenable, fibers, catheter, energy source, inflatable orthopedic fixation rod, resistant heating element