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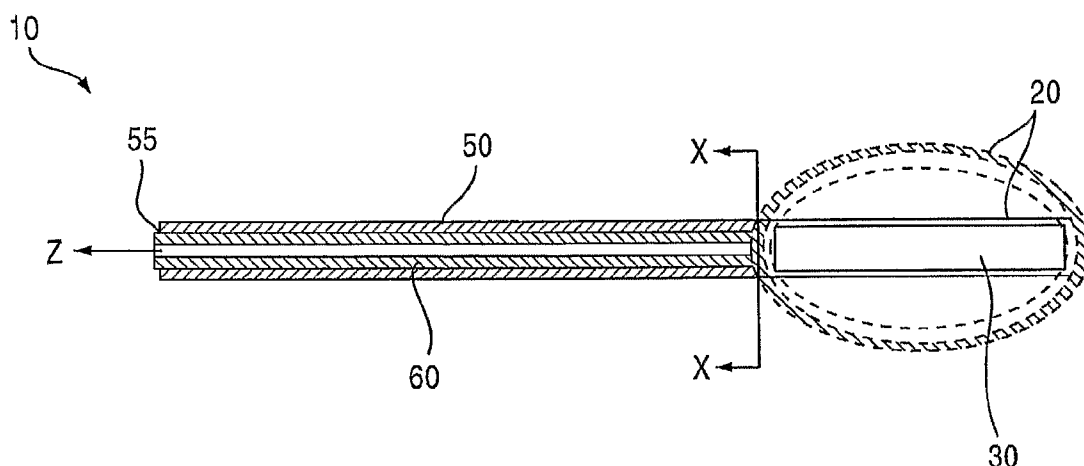
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[Continued on next page]

(54) Title: SELECTIVELY-EXPANDABLE BONE SCAFFOLD



(57) Abstract: An apparatus includes a scaffold configured to be disposed in a bone. The scaffold is configured to move from a first configuration to a second configuration. The scaffold in the second configuration is expanded from the first configuration. A selectively-expandable actuator is configured to be removably disposed within the scaffold. The selectively-expandable actuator is configured to move at least a portion of the scaffold to the second configuration when the selectively-expandable actuator is moved to an expanded configuration. A shape of the selectively-expandable actuator is substantially the same as a shape of the scaffold when the selectively-expandable actuator and the scaffold are in the second configuration. The selectively-expandable actuator configured to be removed from the scaffold when in a collapsed configuration. The scaffold is configured to remain substantially in the second configuration after the scaffold has been expanded by the actuator.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/18984

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61F 5/00 (2006.01)

USPC - 606/86

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: 606/86

IPC(8): A61F 5/00, A61F 13/00, A61F 2/00 (2006.01)

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

USPC: 182/2.11, 606/86, 606/99 and 424/422

IPC(8): A61F 5/00, A61F 13/00, A61F 2/00 (2006.01)

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

USPTO(USPT,PGPB); EPO; PAJ; Google Scholar.

Search Terms: intramedullary, support or scaffold or frame, bone, implant, balloon

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,127,597 A (BEYAR, M. et al.) 3 October 2000 (03.10.2000), (col 8, ln 43-46), (col 12, ln 26-31), (col 20, ln 43-48), (col 29, ln 6-13).	1, 4-5, 18-19, 26, 37-38 ----- 2-3
Y	US 5,211,259 A (KISHI) 18 May 1993 (18.05.1993) Fig. 2 and Fig. 4; col 3, ln 63 to col 4, ln 32.	2-3
A	US 6,716,216 B1 (BOUCHER, R. et al.) 6 April 2004 (06.04.2004).	1, 4-5, 18-19, 26, 37-38

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Date of the actual completion of the international search

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