

(12) **United States Patent**  
**Fraser et al.**

(10) **Patent No.:** **US 6,723,097 B2**  
(45) **Date of Patent:** **Apr. 20, 2004**

- (54) **SURGICAL TRIAL IMPLANT**
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- (73) Assignee: **DePuy Spine, Inc., Raynham, MA (US)**
- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (21) Appl. No.: **10/200,890**
- (22) Filed: **Jul. 23, 2002**
- (65) **Prior Publication Data**  
 US 2004/0019356 A1 Jan. 29, 2004

- (51) **Int. Cl.<sup>7</sup>** ..... **A61B 17/70**
- (52) **U.S. Cl.** ..... **606/61; 623/17.11**
- (58) **Field of Search** ..... **623/17.11-17.16, 623/16.11; 606/61, 69, 79, 86, 97, 102**

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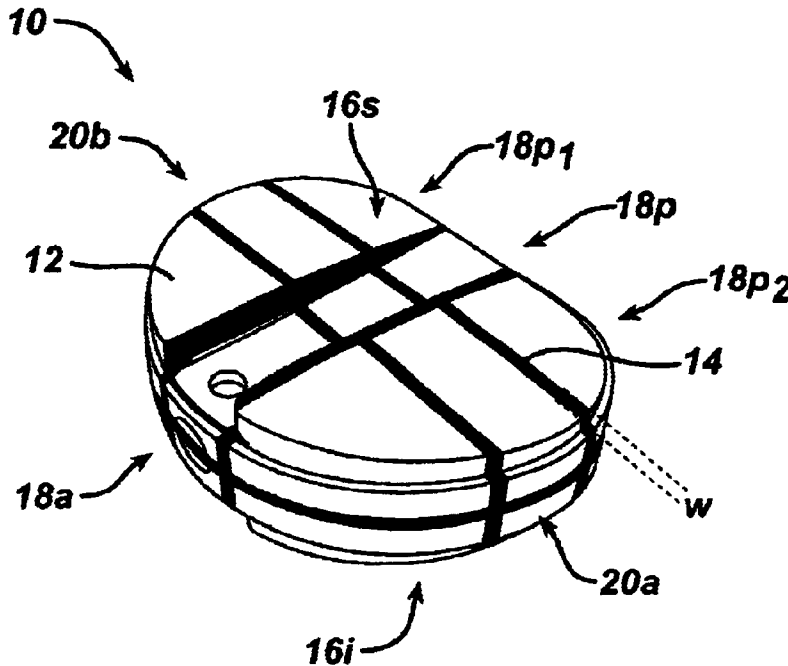
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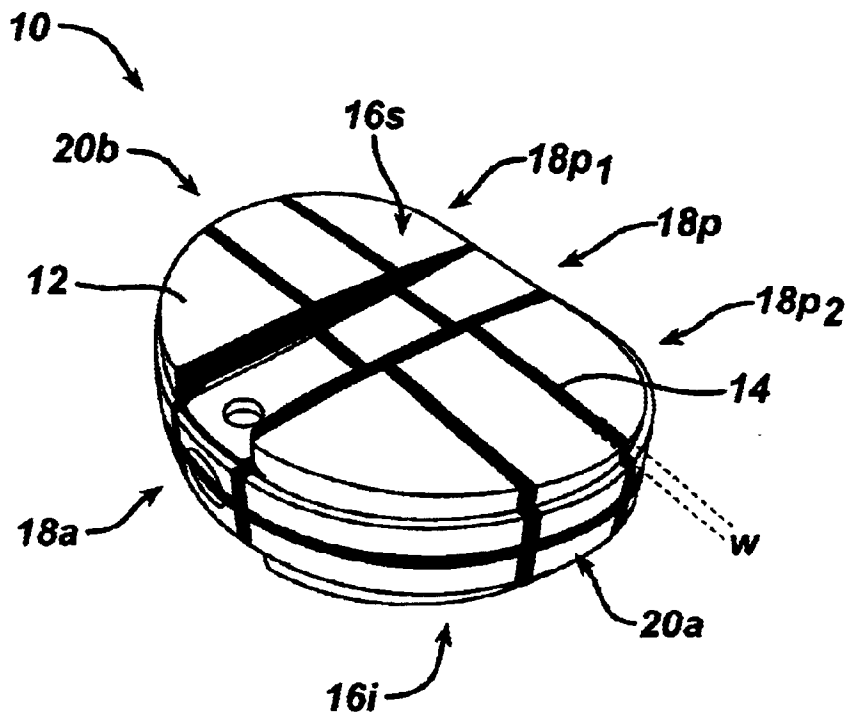
(57) **ABSTRACT**

A trial implant and trial implant kit for assisting a physician in selecting an appropriately sized prosthesis is provided. In one embodiment, the trial medical implant device includes a body formed from a radio-lucent material and having a size and shape adapted to fit within or adjacent to an interstitial space, and at least one marker associated with the body and formed from a radio-opaque material. The at least one marker is configured to provide an x-ray visible reference to indicate the position and/or alignment of the body with respect to an anatomical structure when the trial medical implant device is positioned within an interstitial space.

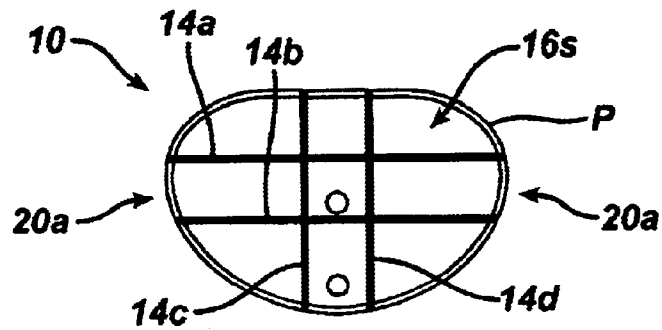
**30 Claims, 6 Drawing Sheets**



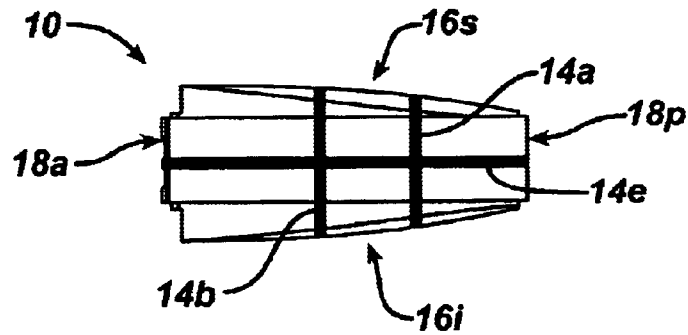
**FIG. 1**



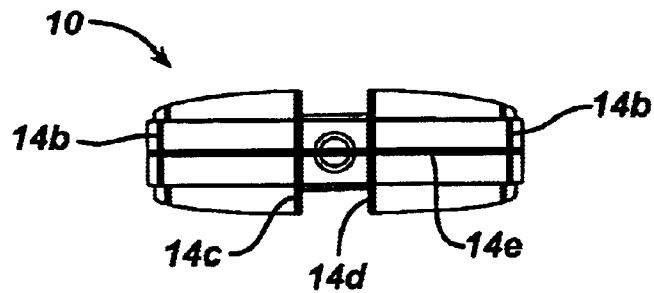
**FIG. 2A**



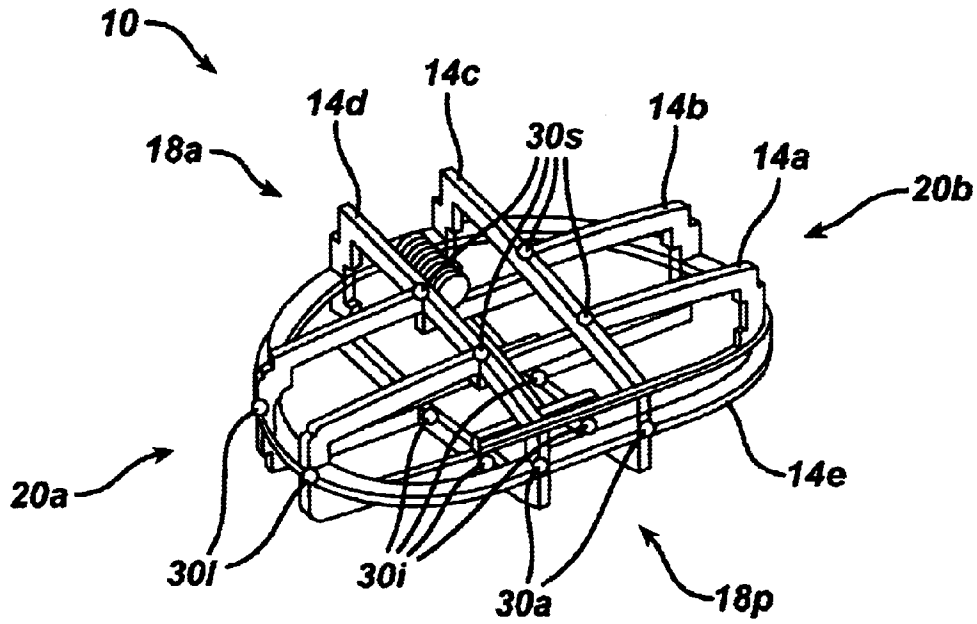
**FIG. 2B**



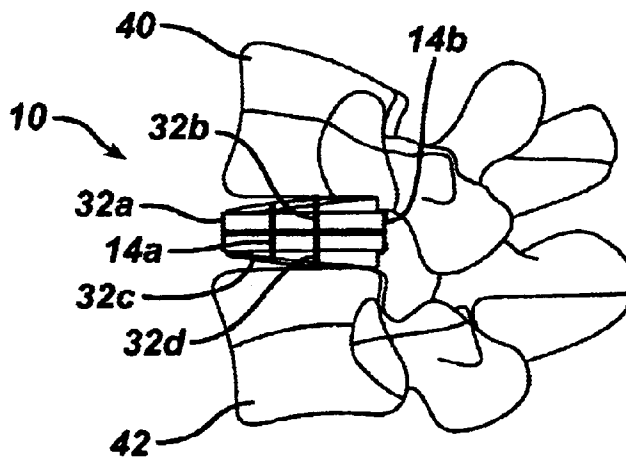
**FIG. 2C**



**FIG. 3**



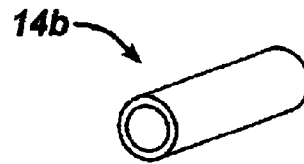
**FIG. 4**



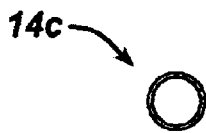
**FIG. 5A**



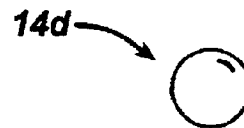
**FIG. 5B**



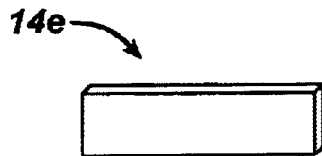
**FIG. 5C**



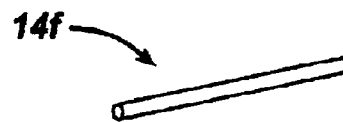
**FIG. 5D**



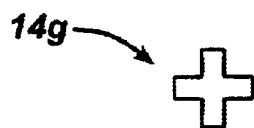
**FIG. 5E**



**FIG. 5F**



**FIG. 5G**



**FIG. 5H**



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