

[54] **TRANSLATERAL SPINAL IMPLANT**[76] Inventor: **Gary Karlin Michelson**, 438 Sherman
Canal, Venice, Calif. 90291[21] Appl. No.: **741,301**[22] Filed: **Oct. 30, 1996****Related U.S. Application Data**[63] Continuation of Ser. No. 479,596, Jun. 7, 1995, abandoned,
which is a continuation-in-part of Ser. No. 394,836, Feb. 27,
1995.[51] **Int. Cl.⁶** **A61B 17/56**[52] **U.S. Cl.** **606/61; 606/72**[58] **Field of Search** 606/61, 72-78,
606/86, 87, 88; 623/16, 17

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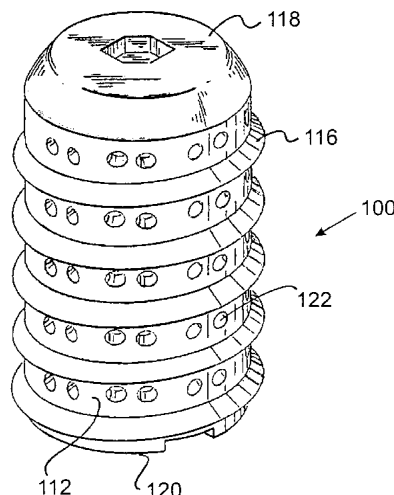
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[57]

ABSTRACT

An oversized spinal implant for translateral insertion into the disc space between two vertebrae a length that is greater than one half of the transverse width of the vertebrae and is greater than the depth of the vertebrae. The translateral implant of the present invention has a height that is greater than the height of the disc space between two adjacent vertebrae so as to engage both of the vertebrae. The width of the implant need be only slightly less than the depth of the vertebrae themselves. The translateral spinal fusion implant of the present invention has more surface area of contact and thus permits greater stability so as to withstand torque, and in the case of a threaded implant, increases the depth which any threads are able to penetrate the vertebrae.

73 Claims, 8 Drawing Sheets

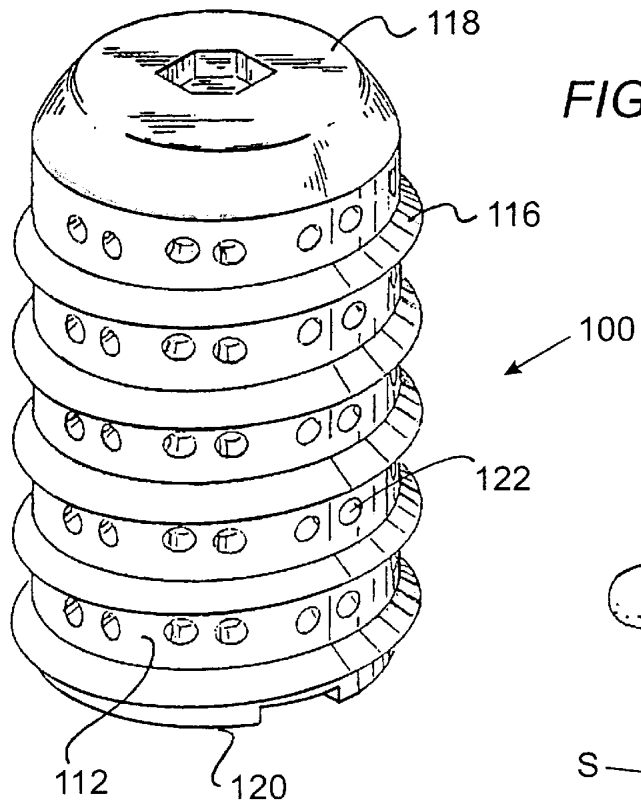


FIG. 1

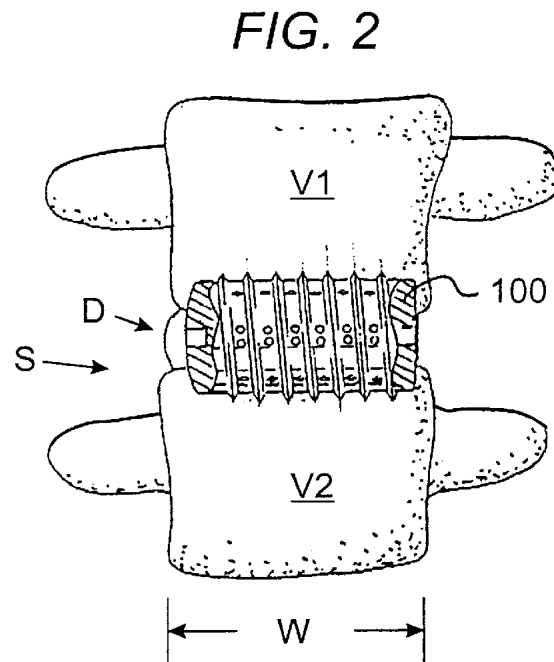


FIG. 2

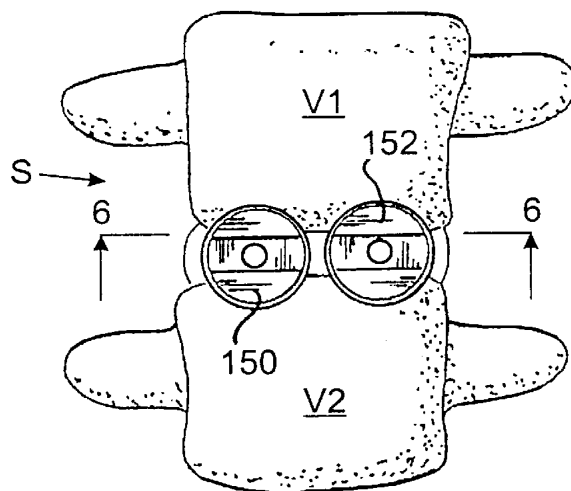


FIG. 5

FIG. 3

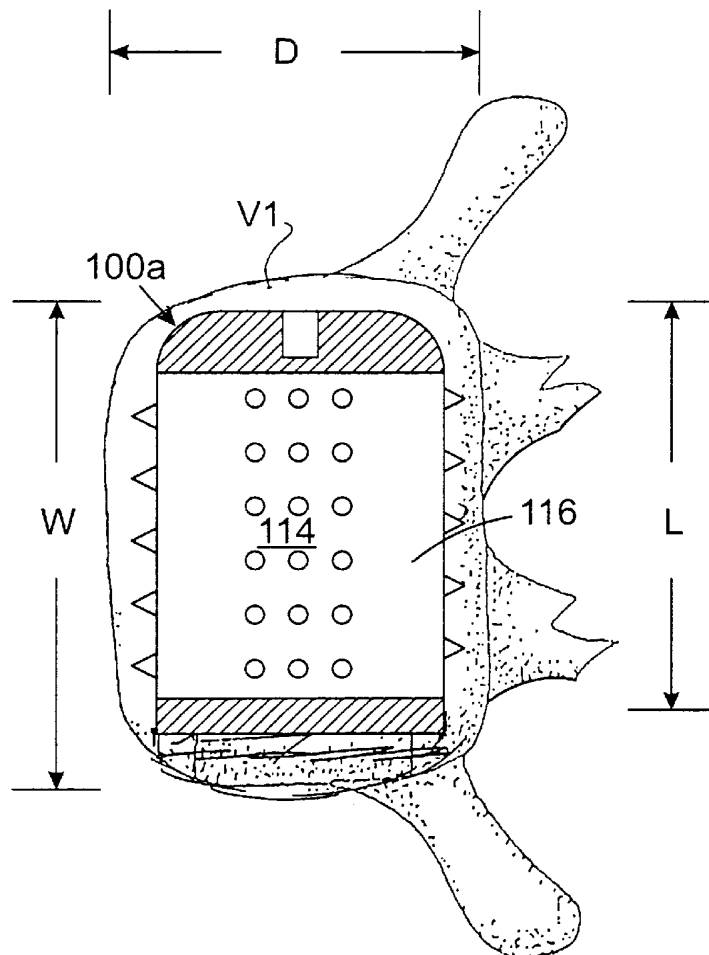
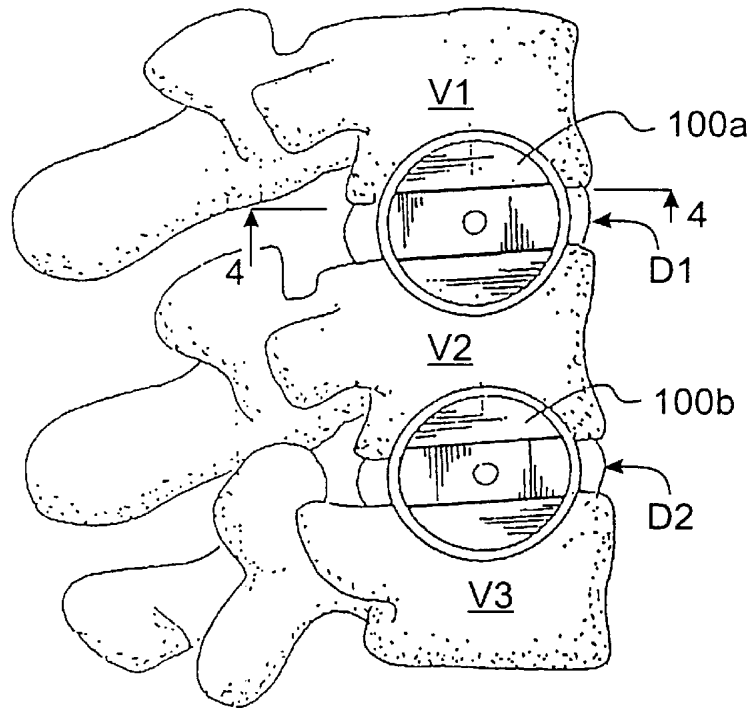


FIG. 4

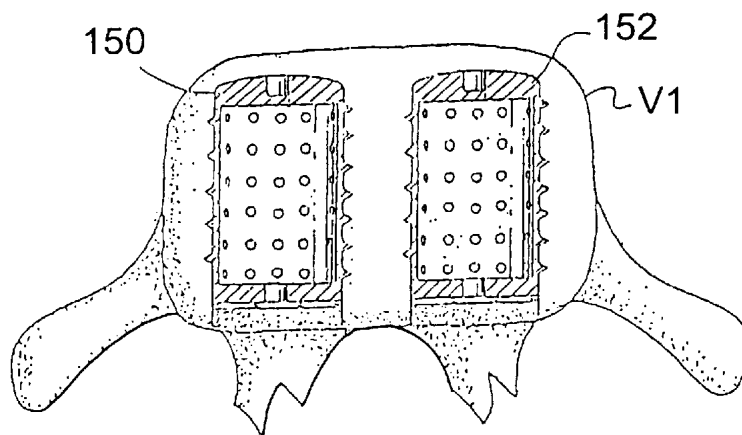


FIG. 6

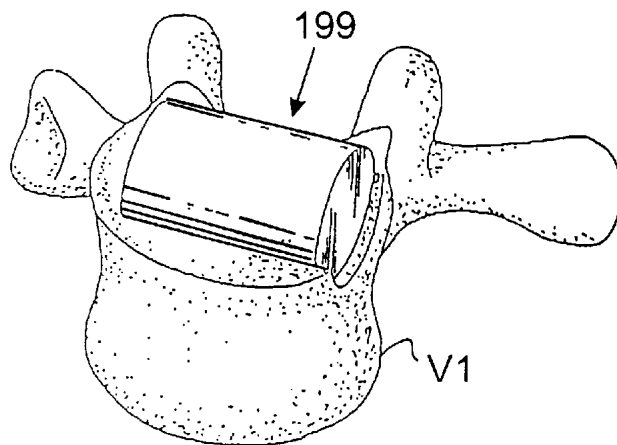


FIG. 7

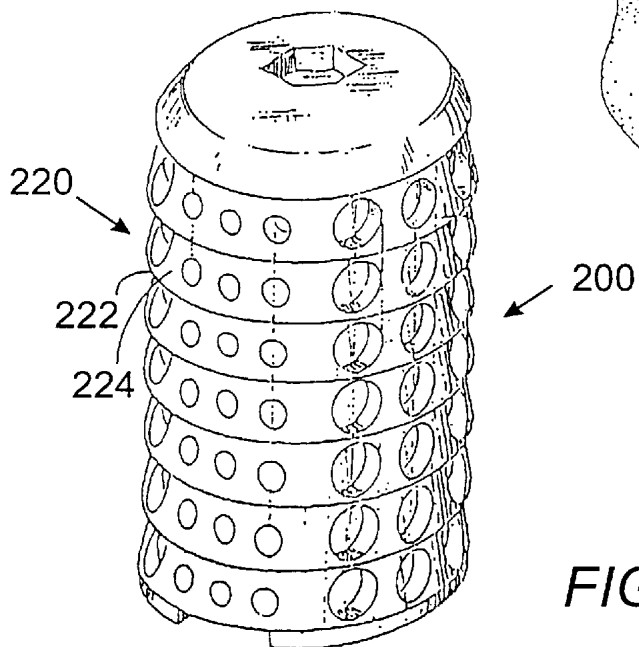
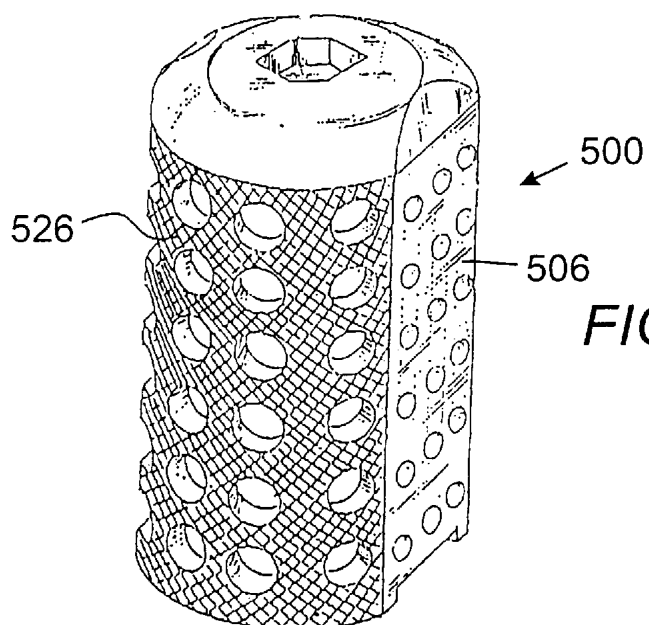
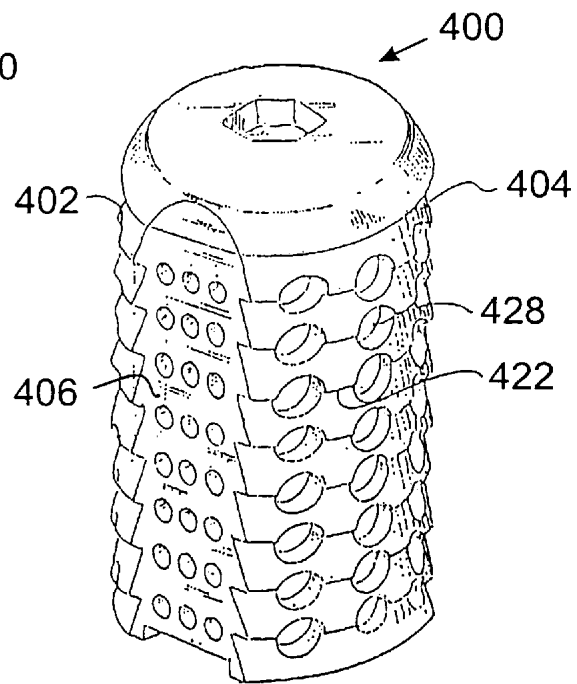
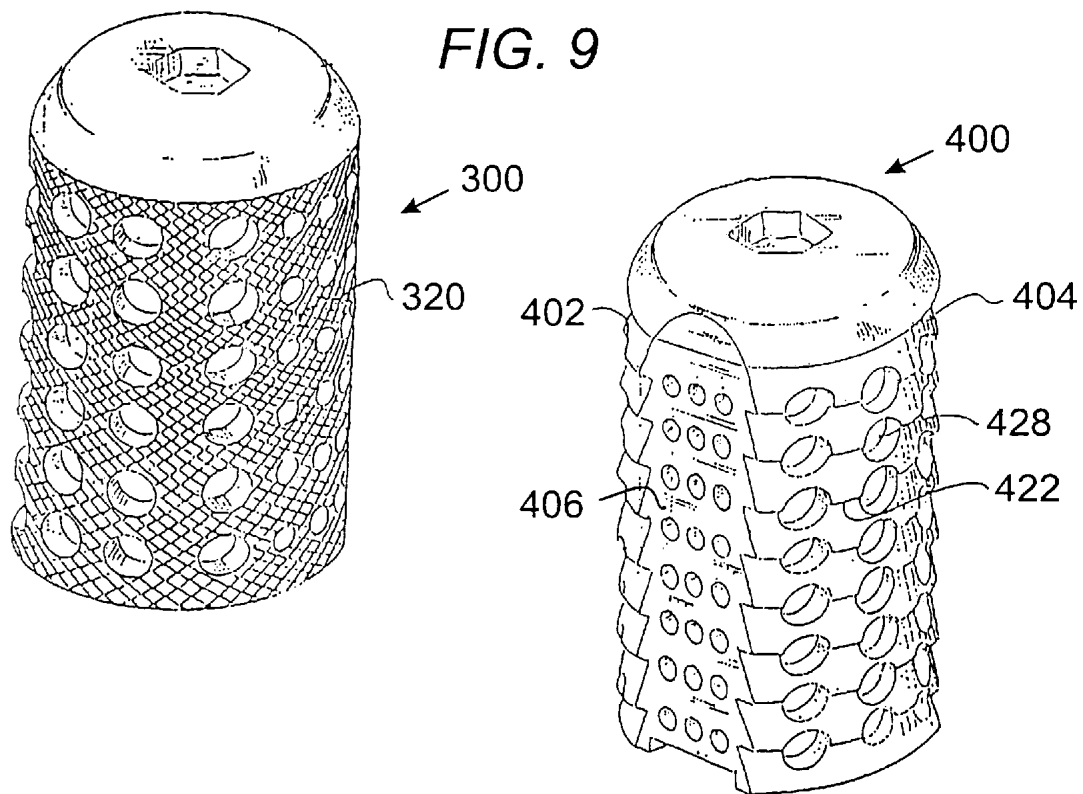


FIG. 8



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