

United States Patent [19]

Fontayne

[54] APPARATUS FOR APPLYING SURGICAL FASTENERS

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- [52] U.S. Cl. 227/178.1; 227/180.1;

142, 143, 219, 215

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[45] Date of Patent: Jan. 23, 1996

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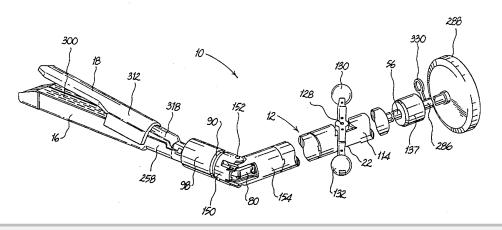
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Primary Examiner-Rinaldi I. Rada

[57] ABSTRACT

Surgical apparatus is provided for placing lateral lines of surgical fasteners into body tissue. The apparatus includes an endoscopic body having an elongated proximal portion and an articulating distal portion which moves relative to the proximal portion. A cartridge assembly and an anvil member are detachably mounted adjacent the articulating distal portion which move relative to one another between an open position and a closed position. A carming mechanism is associated with the articulating portion of the apparatus for moving the anvil member relative to the cartridge assembly, and a linkage system is provided for effectuating the articulation of the distal portion of the endoscopic body to increase the range of operability of the apparatus. In addition, a driving mechanism is provided for ejecting the surgical fasteners from the cartridge assembly.

30 Claims, 11 Drawing Sheets

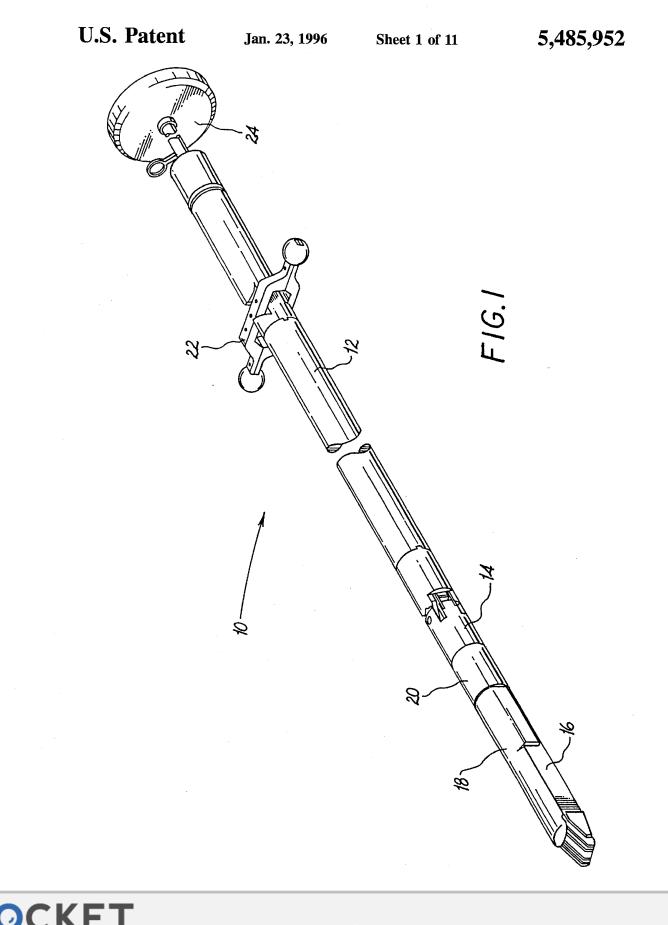


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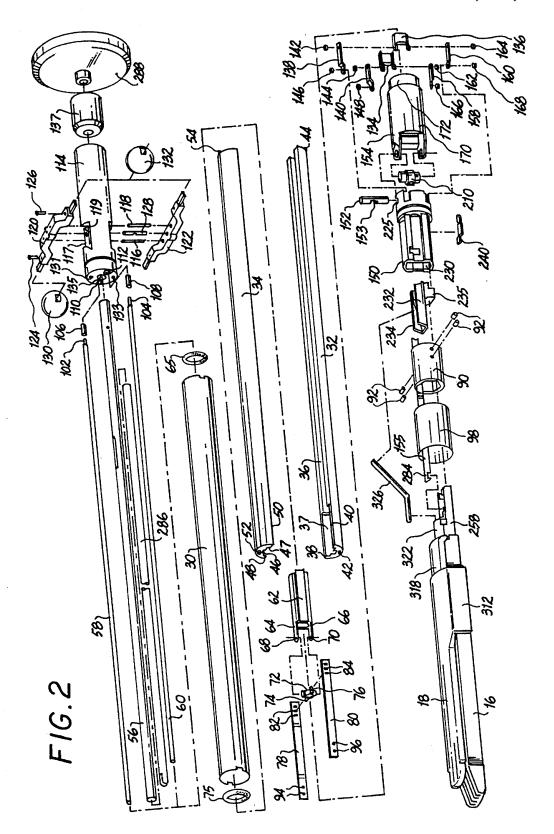
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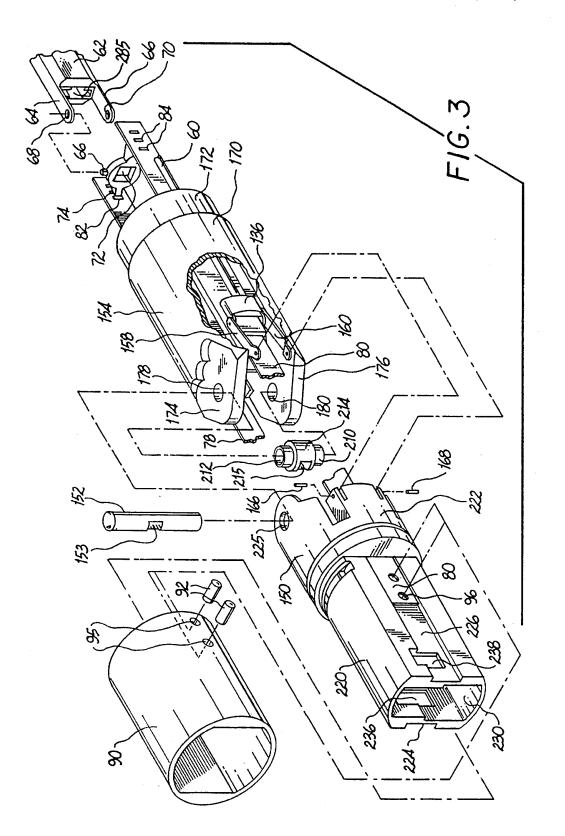
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