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(54) **SURGICAL SYSTEMS AND METHODS FOR IMPLANTING DEFLECTABLE IMPLANTS**

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(58) **Field of Classification Search**  
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See application file for complete search history.

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(57) **ABSTRACT**

Deflectable implants, systems and methods for implanting deflectable implants are disclosed. The deflectable implant includes at least one sequence of segments, the sequence includes at least two segments, the segments being interconnected at effective hinges, the sequence assuming a straightened or low curvature insertion state for insertion into the body, the sequence being deflectable to a fully deflected state defined by abutment of abutment features of adjacent of the segments. The deflectable implant includes further a linkage mechanically linked to at least part of at least one of the sequences of segments for deflecting the at least one sequence of segments from the insertion state towards the fully deflected state wherein the at least one sequence is at least part of a loop structure assuming a low profile folded state with the at least one sequence in the insertion state, and wherein deflection of the at least one sequence towards the fully deflected state generates an open state of the loop structure and wherein the loop defines an enclosed volume.

**14 Claims, 23 Drawing Sheets**

