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(54) Title: MEDICAL DEVICE COMPRISING AN ARTIFICIAL CONTRACTILE STRUCTURE

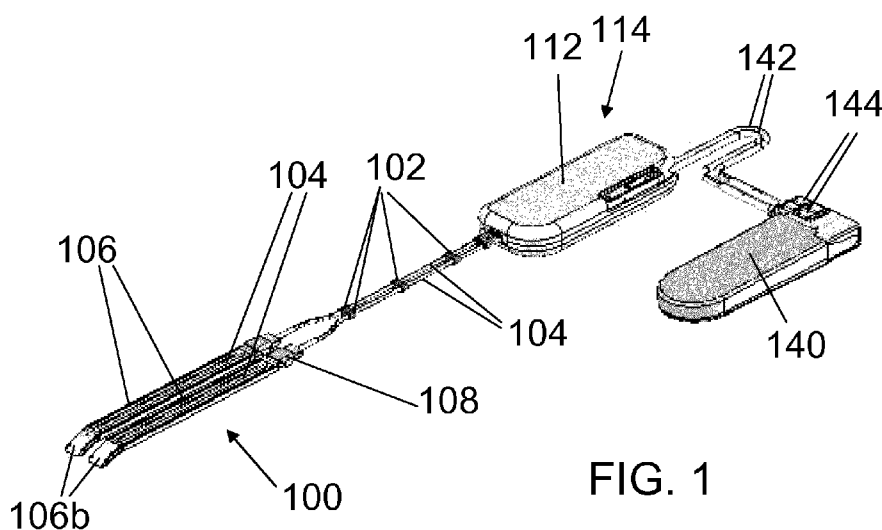


**FIG. 1**

(57) Abstract: The present invention relates to a medical device comprising an artificial contractile structure which may be advantageously used to assist the functioning of a hollow organ. Said medical device comprises an artificial contractile structure comprising at least one contractile element (100) adapted to contract an organ, in such way that said contractile element (100) is in a resting or in an activated position, at least one actuator designed to activate said contractile structure, and at least one source of energy for powering said actuator. The ratio "current which is needed to maintain the contractile element in its activated position and in its resting position / current which is needed to change the position of the contractile element" is less than 1/500, preferably less than 1/800, and more preferably less than 1/1000. Said medical device further comprises means for reducing corrosion of the medical device.



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