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(54) Title: APPARATUS FOR TENSIONING A CABLE LACING TAPE

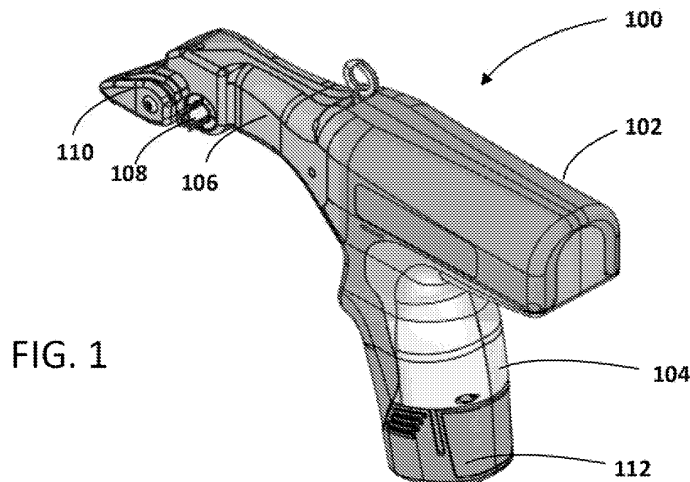


FIG. 1

(57) Abstract: An apparatus for tensioning, terminating and cutting a cable lacing tape includes a housing, a shaft having a first end and a second end, a sliding worm gear coupled proximate the first end of the shaft, and a motor coupled proximate the second end of the shaft and configured to rotate the shaft. The apparatus also includes a biasing element coupled to the shaft between the sliding worm gear and the motor to exert a biasing force on the sliding worm gear and a capstan rotatably engaged to the sliding worm gear. In addition, the apparatus includes a cutting mechanism configured to cut the lacing tape when a predetermined torque on the capstan is exceeded. The biasing force is configured to prevent translation of the sliding worm gear until the predetermined torque on the capstan is exceeded and the translation of the sliding worm gear activates the cutting mechanism.

[Continued on next page]

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