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(54) **SURGICAL INSTRUMENT HAVING FORCE FEEDBACK CAPABILITIES**

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See application file for complete search history.

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(57) **ABSTRACT**

A surgical instrument. The surgical instrument has a force delivery system which communicates a changing force to a user of the surgical instrument when a limit of a surgical function is reached. A sensor senses position of a moving element to communicate a signal to the force delivery system. In various embodiments, the system generates a vibratory force to signal the user.

6 Claims, 53 Drawing Sheets

