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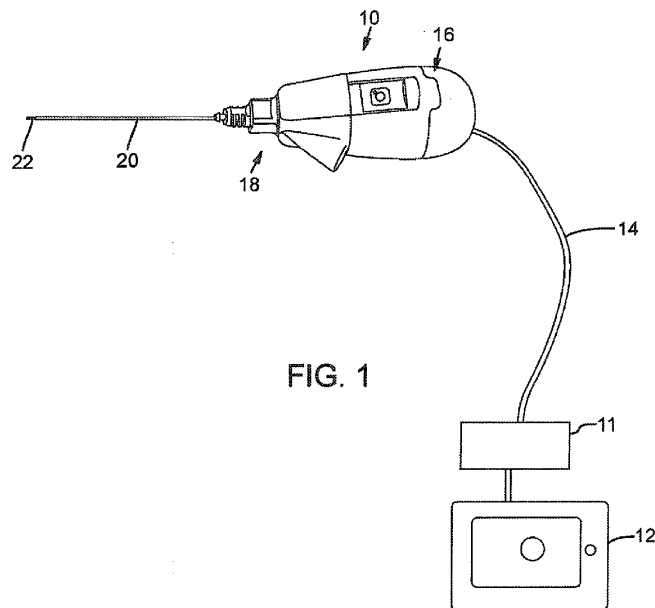
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(54) Title: MINIATURE ANGLE-VIEW ENDOSCOPE WITH IMAGE ORIENTATION CORRECTION



(57) Abstract: A rotatable chip-on-tip endoscope is configured to be operated with a single hand, with the palm holding the body of the device and one or two fingers operating a distal rotatable end of the handle that carries the needle. The needle is small in diameter, preferably less than 2.5 mm at its largest end. As the tip is rotated to view more widely in a patient's joint, for example, video processing electronics correct rotational orientation in real time to present a consistent moving image on a monitor.

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