

ENDOSCOPE WITH PANNABLE CAMERA AND RELATED METHOD

ABSTRACT

An endoscope comprises a handle comprising a proximal housing and a distal housing, and a shaft attached to the distal housing. A camera assembly may be mounted at an insertion end of the shaft. The handle includes a circuit board comprising a first portion disposed within the handle and one or more extension portions extending within the shaft to the camera assembly and/or to a light source near the distal end of the shaft. The circuit board is mounted in the distal housing of the handle and enclosed by the proximal housing, with the distal housing and shaft rotatable relative to the proximal housing. The circuit board may include a Hall effect sensor for detecting a change in the position of an electronic control button on the handle, and may include a Hall effect sensor for detecting a rotational position of the distal housing relative to the proximal housing.

FIG. 23.1