

TELESCOPING INSERTION TOOL

ABSTRACT

An insertion tool is provided. The tool includes an insertion portion, a telescoping link, a joint actuation assembly, and an extension actuator. The telescoping link having a base part and an extension part, the extension part being configured to slide longitudinally relative to the base part from a retracted state to an extended state. The joint actuation assembly is configured to change an angle between the base part of the telescoping link and the insertion portion via a joint. The extension actuator is configured to actuate the extension part of the telescoping link from the retracted state to the extended state.

[Figure 1]