

### **Abstract**

Example embodiments relate to surgical devices, systems, and methods. The system includes a surgical arm having segments and joints. A first joint couples first and second segments. A second joint couples second segment to an end effector joint. End effector joint couples second joint to an end effector. A joint driving assembly includes first joint driving subassembly having a first joint driving subsystem and first joint driving cables. First joint driving subsystem is configurable to move second segment relative to first segment. A second joint driving subassembly includes second joint driving subsystem and second joint driving cables. Second joint driving subsystem is configurable to move end effector joint relative to second segment. An end effector joint driving subassembly includes end effector joint driving subsystem and end effector joint driving cables. End effector joint driving subsystem is configurable to move end effector relative to second joint.