User-Controlled Wheelchair Communication Device Mount

Description of Technology
This mechanical mount is a user-controlled technology that supports and moves a communication device to enable improved line of sight for individuals in wheelchairs. Communication devices mounted on wheelchairs are typically on a fixed arm in a manner that obstructs the line of sight of a user and has to be removed when navigating the wheelchair.

This mount is a single-axis mechanical arm on a rotary device capable of successfully moving a 20 lb. communication device out of a user’s line of sight using switch activation or Sip’n’Puff technology initiated by the user. Positioning of the activation device can be customized for an individual based on their physical ability to operate the switch. The communication device does not have to be removed when positioned out of the line of sight.

Applications
This technology is meant for individuals who use communication devices on their wheelchairs and want the benefit of moving the mechanical arm with user-activated control switches.

Features & Benefits
- Allows users to independently move the control arm
- Customizable positioning of activation device
- Capable of holding a 20 lb. communication device
- Suitable for all wheelchairs

Market Opportunity
There are adjustable mounting devices for communication devices available on the current market, but users with minimal movement capabilities are unable to move the devices themselves. User-controlled mechanical mounting devices are not as commonly available and there is a growing trend for user-controlled technologies.