

Haptic Robotic Glove Exoskeleton with Sensing and Force Feedback

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Technology description

A device that can record and catalog range of motion, angular velocity, angular acceleration, and finger pad pressures during various gripping patterns of the human hand is disclosed. These data will be used to characterize normal human motion. The device further has the capability to assist grip motions by serving as a powered hand orthosis for hands with compromised function and be utilized in rehabilitation training for individuals with limited hand grip control.

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