ELECTROMYOGRAPHIC SIGNAL PROCESSING FOR PROSTHETICS

MEDICAL DEVICES
Algorithm that facilitates graded and seamless movement of an upper limb prosthetic through enhanced electromyographic signal processing.

TECHNOLOGY TYPE
Class I/II
Software
Signal Processing

STAGE OF DEVELOPMENT
- Working bench prototype.
- Users able to control up to eight degrees of freedom simultaneously.

IP PROTECTION
Nationalized PCT Pending in the Europe and Filed in Japan and the United States
Signal Processing for Decoding Intended Movements from Electromyographic Signals WO2018026842A1

FEATURES AND BENEFITS
- Can be used with any number and type of electromyographic electrodes.
- Trainable algorithm responds to a simple calibration routine.
- Output is user-adjustable without the assistance of a prosthetist.

RECENT PUBLICATIONS

INVENTOR PROFILE
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