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(57) Abstract :

The present disclosure relates to a system for controlling exoskeleton. The system includes an eyewear operably coupled with the exoskeleton. The eyewear includes an imaging device, a sensing device operatively coupled with the imaging device. The imaging device and the sensing device are configured to monitor one or more eye parameter of a user wearing the eyewear, and correspondingly generate a set of first signals. One or more processing unit is operatively coupled with the eyewear. The one or more processing unit includes a processor associated with a memory, and the one or more processing unit configured to receive the set of first signals from the eyewear. Extract the one or more eye parameters from the received set of first signals. The one or more processing unit is configured to match the extracted one or more eye parameters with pre-defined parameters stored in a dataset, and accordingly generate a set of control signals representing the movement of one or more limbs of the exoskeleton.

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