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(57) Abstract :

The present disclosure discloses an automatically controllable smart wheel chair device comprising a frame forming a body of the device. It includes a voice capturing unit configured to capture a set of acoustic signals generated by a user; an image capturing device configured to capture a set of images of eyes of the user; and a hand gesturing capturing glove configured to monitor hand gestures of the user. It also includes a processing unit configured to generate a set of digital signatures, and determine any or a combination of a voice command of the user, an eye movement of the user, and hand gesture of the user. Further, it generate a set of control signals that correspond to one or more driving instructions associated with wheel chair device. Further, it also includes a plurality of electrical motors configured with wheels of the device, and correspondingly operate the device.

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