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(57) Abstract :

The present disclosure provides an automatic safety device (100) for safe landing of a user from an elevation. The device (100) includes a wearable assembly (102) comprising an apparel (104), adapted to be worn by the user and a parachute (106) coupled to the apparel. The device further includes a set of sensors (108), configured to detect a set of signals for determining a set of attributes of motion of the user and an actuator (112), enabled to activate the parachute. The device (100) also includes one or more processing units (110), communicatively coupled to the set of sensors (108) and the actuator (112), the one or more processing units being configured to receive a set of input signals from the set of sensors (108) and generate actuation signals for activating the actuators. The one or more processing units (110) are operatively coupled to a set of input units, a set of output units and a direct current power source.

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