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(54) Title: DEVICE FOR HUMAN UPPER ARM ASSISTANCE

(57) Abstract: The present disclosure provides a device for assisting an upper arm of a user, which includes: a support mechanism configured for supporting the device on a torso of the user; an arm link member connectable to the upper arm; a joint member coupled with the arm link member and the support mechanism, and a force generating member arranged on the support mechanism. The device, in use, transfers a load from the upper arm, through the joint member to the torso. The force generating member is configured for providing a resisting torque between the arm link member and support mechanism, and the force generating member is mechanically configured to apply a relatively larger resisting torque at a predetermined range of motion of the upper arm and to apply a relatively lesser resisting torque outside the predetermined range.

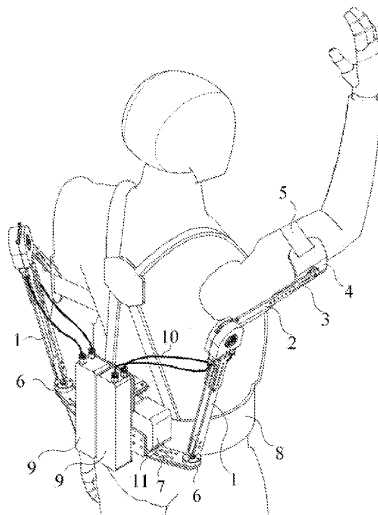


FIG. 1

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