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(57) Abstract :

An ergonomic backpack device, comprising at least two shoulder straps 1 extends between a top and side portion of a backpack 4 to carry heavy load without using a user's hand, a cushion 2 equipped in a manner to fit with the straps 1 for eliminating muscle and joint pain of shoulder while hanging the backpack 4 by stabilizing movement of the straps 1, a motor 3 in conjunction with a pulley placed on the strap for rotating the pulley in a specified direction in order to fold/unfold the straps 1, and at least one switch connected to the motor 3 to provide power for actuating the motor 4 in order to adjust the straps 1.

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