

CLAIMS

1. A mouse comprising:
 - a housing comprising a plurality of panels;
 - a shaft fixedly attached to the housing; and
 - a moveable member coupled to the plurality of panels such that a movement of the moveable member causes a movement of each panel of the plurality of panels,
 - wherein the moveable member comprises a slider arm assembly comprising a central portion, the central portion slidably attached to the shaft,
 - wherein the slider arm assembly is coupled to the plurality of panels such that a movement of the slider arm assembly along the shaft causes the movement of each panel of the plurality of panels.
2. The mouse of claim 1,
 - wherein the movement of each panel of the plurality of panels comprises a simultaneous movement of the plurality of panels.
3. The mouse of any one of claims 1 to 2,
 - wherein the movement of each panel of the plurality of panels comprises a movement of the plurality of panels such that a width of the mouse and a length of the mouse are increased.
4. The mouse of claim 3,
 - wherein the movement of each panel of the plurality of panels comprises a movement of the plurality of panels such that the width of the mouse and the length of the mouse are increased by the same absolute amount.
5. The mouse of any one of claims 3 to 4,

wherein the movement of each panel of the plurality of panels comprises a movement of the plurality of panels such that the width of the mouse and the length of the mouse are increased by the same relative amount.

6. The mouse of claim 1,
wherein the plurality of panels comprises a back panel;
wherein the central portion engages with the back panel.
7. The mouse of claim 1,
wherein the plurality of panels comprises a left panel;
wherein the slider arm assembly comprises a left portion pivotally connected to the central portion and connected to the left panel.
8. The mouse of claim 1,
wherein the plurality of panels comprises a right panel;
wherein the slider arm assembly comprises a right portion pivotally connected to the central portion and connected to the right panel.
9. The mouse of any one of claims 1 to 8,
wherein each panel of the plurality of panels is connected to a main portion of the housing using a respective spring.
10. The mouse of claim 9,
wherein the respective springs provide a counter force to forces exerted to the panels by the slider arm assembly.
11. The mouse of claim 1,
wherein the slider arm assembly further comprises an actuation member configured to move the slider arm assembly along the shaft.

12. The mouse of claim 11,
wherein the actuation member is configured to be manually operated.
13. The mouse of any one of claims 11 to 12,
wherein the actuation member protrudes through the housing.
14. The mouse of any one of claims 11 to 13,
wherein the actuation member comprises an electrical actuator configured to move the slider arm assembly along the shaft.
15. The mouse of claim 14,
wherein the electrical actuator comprises at one least actuator selected from a group of actuators consisting of a motor, a servo motor, a piezo actuator, an electromagnetic actuator, an electro-hydraulic actuator, and an electro-pneumatic actuator.
16. The mouse of any one of claims 14 to 15, further comprising:
a control circuit configured to control the electrical actuator.
17. The mouse of claim 16,
wherein the control circuit is configured to control the electrical actuator based on an input from a host computer.
18. The mouse of any one of claims 16 to 17,
wherein the control circuit is configured to control the electrical actuator based on a user input to the mouse.
19. The mouse of any one of claims 16 to 18,
wherein the control circuit is configured to control the electrical actuator to move the slider arm assembly to a pre-determined position when the mouse is powered off.