WHAT IS CLAIMED IS:

1. A system comprising:

a cylindrical conductive member including a first latch element; and

a cylindrical magnetic member including a second latch element,

wherein one of the cylindrical conductive member and the cylindrical magnetic member can translate axially with respect to the other of the cylindrical conductive member and the cylindrical magnetic member along a central longitudinal axis of the cylindrical magnetic member,

wherein one of the cylindrical conductive member and the cylindrical magnetic member can rotate with respect to the other of the cylindrical conductive member and the cylindrical magnetic member about the central longitudinal axis of the cylindrical magnetic member,

wherein movement of the cylindrical conductive member with respect to the cylindrical magnetic member induces an eddy current drag force that resists the movement of the cylindrical conductive member with respect to the cylindrical magnetic member, and

wherein engagement of the first latch element with the second latch element halts movement of the cylindrical conductive member with respect to the cylindrical magnetic member.

2. The system of claim 1, wherein the cylindrical magnetic member is hollow and at least partially surrounds the cylindrical conductive member.

3. The system of claim 1, wherein the cylindrical conductive member is hollow and at least partially surrounds the cylindrical magnetic member.

4. The system of any one of above claims 1 to 3, wherein the first latch element is a pawl and the second latch element is an indentation.

5. The system of any one of claims 1 to 3, wherein the first latch element is an indentation and the second latch element is a pawl.

6. The system of any one of the above claims, further comprising:

a vehicle having a wheel, the wheel operatively coupled to either the cylindrical conductive member or the cylindrical magnetic member.

7. The system of any one of claims 1 to 5, further comprising:

a zip line system, wherein the zip line system includes the cylindrical conductive member and the cylindrical magnetic member.

8. The system of any one of claims 1 to 7, further comprising:

a spring having a first end coupled to the cylindrical magnetic member and a second end opposite the first end coupled to the second latch element.

9. The system of claim 8, wherein the second latch element is rotatably coupled to the cylindrical magnetic member and configured to rotate about an axis parallel to and offset from the central longitudinal axis.

10. The system of claim 9, wherein the spring biases the second latch element to rotate away from the cylindrical conductive member.

11. The system of claim 10, wherein the spring biases the second latch element to rotate with respect to the cylindrical magnetic member in a direction about the axis matching a direction of rotation of the cylindrical magnetic member with respect to the cylindrical conductive member about the central longitudinal axis.

12. The system of claim 11, wherein the axis about which the second latch element rotates is a first axis and the system further comprises a third latch element rotatably coupled to the cylindrical magnetic member, the third latch element configured to rotate with respect to the cylindrical magnetic member about a second axis parallel to and offset from the central longitudinal axis.

13. The system of claim 12, further comprising a fourth latch element rotatably coupled to the cylindrical magnetic member, the fourth latch element configured to rotate with respect to the cylindrical magnetic member about a third axis parallel to and offset from the central longitudinal axis.

14. The system of any one of claims 1 to 3, wherein the first latch element is an indentation.

15. The system of any one of claims 1 to 3, wherein the first latch element is a protrusion.