WHAT IS CLAIMED IS:

1. A device comprising:

at least one first member in a kinematic relationship with at least one further member independent to the first member to form a system, the system moving within a limited range of motion and wherein the system interacts when an external energizing force is imposed on the system causing the members to respond due to their kinematic and dynamic characteristics and thereby creating relative motion between the members;

at least one trigger member coupled to, and approximately adjacent to the at least the first member that moves in response to a pre-determined system movement and, when the at least one trigger member moves, the at least one trigger member or a part thereof imposes a braking action on the system or a member or members thereof; and,

wherein the speed and/or intensity of the braking action imposed by the at least one trigger member on the system or a member or members thereof is controlled by the at least one trigger member rate of movement and this rate of movement is in turn governed by a magnetic flux interaction that is at least partially orthogonal to the direction of relative motion between the at least one trigger member or a part thereof and the at least one first member or a part thereof causing formation of a magnetically induced eddy current force between the at least one trigger member or a part thereof and the at least one first member or a part thereof.

2. The device as claimed in claim 1 wherein the at least one trigger member comprises a magnetic part that interacts with a conductor part on the at least one first member.

3. The device as claimed in claim 1 wherein the at least one trigger member comprises a conductor part that interacts with a magnetic part on the at least one first member.

4. The device as claimed in claim 1 wherein the kinematic relationship between the system movement and the at least one trigger movement is a non-linear response.

5. The device as claimed in claim 1 wherein the rate of movement of the at least one trigger member relative to the first member slows as relative motion occurs.

6. The device as claimed in claim 1 wherein the rate of movement of the at least one trigger member relative to the first member speeds up as relative motion occurs.

7. The device as claimed in claim 1 wherein the rate of movement of the at least one trigger member relative to the first member cycles at least once between slower and faster relative motion.

8. The device as claimed in claim 1 wherein relative movement between the system and the at least one trigger member is delayed until the pre-determined system movement occurs.

9. The device as claimed in claim 1 wherein the system braking action imposed by the at least one trigger member or a part thereof is caused by at least one of: latching, friction force, magnetic force interactions, and combinations thereof.

10. The device as claimed in claim 1 wherein the rate at which the at least one trigger member moves relative to the at least one first member is tuned by varying the resulting eddy current force between the at least one trigger member and the at least one first member.

11. The device as claimed in claim 10 wherein the magnetically induced eddy current force is tuned by varying at least one of:

the magnetic element surface area on or within the at least one trigger member or at least one first member;

the conductive region on or within the at least one trigger member or at least one first member;

the proximity of at least one magnetic element and at least one conductive region on the at least one trigger member and at least one first member;

the geometry and/or magnetic properties of the at least one magnetic element on or within the at least one trigger member or at least one first member;

the geometry and/or electrical properties of the at least one conductive element on or within the at least one trigger member or at least one first member;

and combinations thereof.

12. The device as claimed in claim 1 wherein the trigger member moves directly due to the energizing force.

13. The device as claimed in claim 1 wherein the trigger member moves indirectly at least in part due to the energizing force causing at least one additional mechanical part to move or interact with the trigger member and thereby subsequently causing motion of the trigger member.

14. The device as claimed in claim 1 wherein static or dynamic positional and/or strength adjustment of a point of action of the eddy current induced force is completed by:

adjusting the position of the magnetic element or conductive region on the trigger member as the trigger member or first member moves; and/or,

adjusting the position of the magnetic element or conductive region on the first member as the trigger member or first member moves.

15. The device as claimed in claim 1 wherein relative movement between the trigger member and the system or the member or members thereof on which the braking action is imposed is frictionless.

16. The device as claimed in claim 1 wherein movement between the members is predominantly governed by dynamic forces.

17. The device as claimed in claim 1 wherein the first member is a rotor and the trigger member is a pawl, wherein the pawl is urged to rotate about a pivot axis on the rotor when the external energizing force is imposed on the system.

18. The device as claimed in claim 1 wherein the first member is a carriage and the at least one trigger member is a rod shaped member wherein the rod shaped member moves in a linear direction relative to the carriage when the external energizing force is imposed on the system.

19. A line dispensing device incorporating at least one device as claimed in claim 1.

20. The line dispensing device as claimed in claim 19 wherein the at least one further member is a spool of line coupled directly or indirectly to the at least one first member.

21. The line dispensing device as claimed in claim 20 wherein the external energizing force imposed on the system is caused by line being extended from retracted onto the spool.

22. A passenger seat restraint incorporating at least one device as claimed in claim 1.

23. A transmission drive incorporating at least one device as claimed in claim 1 to engage a rotational drive.

24. A linear guided lifeline incorporating at least one device as claimed in claim 1.

25. The device as claimed in claim 1 wherein the further member comprises either a series of magnetic components or a series of conductive components.

26. The device as claimed in claim 1 wherein movement of the at least one trigger member with respect to the first member imposes a braking force that slows movement of the first member with respect to the at least one further member.

27. A device comprising:

at least one first member in a kinematic relationship with at least one further member independent to the first member to form a system, the system moving within a limited range of motion and wherein the system interacts when an external energizing force is imposed on the system causing the members to respond due to their kinematic and dynamic characteristics and thereby creating relative motion between the members;

at least one trigger member rotationally coupled to, and approximately adjacent to the at least the first member that rotates in response to a pre-determined system movement and,

when the at least one trigger member rotates, the at least one trigger member or a part thereof imposes a braking action on the system or a member or members thereof; and,

wherein the speed and/or intensity of the braking action imposed by the at least one trigger member on the system or a member or members thereof is controlled by the at least one trigger member rate of rotation and this rate of rotation is in turn governed by a magnetic flux interaction that is at least partially orthogonal to the direction of relative motion between the at least one trigger member or a part thereof and the at least one first member or a part thereof causing formation of a magnetically induced eddy current force between the at least one trigger member or a part thereof and the at least one first member or a part thereof.

28. A device comprising:

at least one first member in a kinematic relationship with at least one further member independent to the first member to form a system, the system moving within a limited range of motion and wherein the system interacts when an external energizing force is imposed on the system causing the members to respond due to their kinematic and dynamic characteristics and thereby creating relative motion between the members;

at least one trigger member linearly coupled to, and approximately adjacent to the at least the first member that move linearly in response to a pre-determined system movement and, when the at least one trigger member moves linearly, the at least one trigger member or a part thereof imposes a braking action on the system or a member or members thereof; and,

wherein the speed and/or intensity of the braking action imposed by the at least one trigger member on the system or a member or members thereof is controlled by the at least one trigger member rate of linear movement and this rate of linear movement is in turn governed by a magnetic flux interaction that is at least partially orthogonal to the direction of relative motion between the at least one trigger member or a part thereof and the at least one first member or a part thereof causing formation of a magnetically induced eddy current force between the at least one trigger member or a part thereof and the at least one first member or a part thereof.