What is claimed is:

1. A method of reducing drag in a ground vehicle coupled to a track assembly, the method comprising:

a. accumulating a store of electrical energy on board the ground vehicle; and

b. impulsively discharging at least a portion of the electrical energy from the ground vehicle to a conducting portion of the track assembly comprising conductive paths along a track embedded in a less conductive track material, wherein the conductive paths comprise dotted lines of conductive material embedded in the less conductive track material, said conducting portion of the track assembly positioned in front of a fuselage of the ground vehicle,

whereby a portion of air in proximity with the discharged electrical energy expands to form a lower density region surrounded by a higher density region and directing at least a portion of the ground vehicle into the lower density region.

2. The method of claim 1, wherein the ground vehicle comprises a capacitor to accumulate the store of electrical energy.

3. The method of claim 2, wherein the electrical energy store in the capacitor is deposited into the air in the form of ohmic heating.

4. The method of claim 1, wherein the ground vehicle is a train.

5. The method of claim 4, wherein the train is a magnetic levitation train, a high-speed train, a bullet train, and/or a hyper-loop train.

6. The method of claim 1, wherein the ground vehicle comprises an array of energy emitting elements.

7. The method of claim 1, comprising a plurality of impulsive discharges in succession.

8. The method of claim 1, wherein electrical energy is supplied to the ground vehicle via the track assembly.

9. The method of claim 1, the lower density region is formed by multiple electrical discharges.

10. The method of claim 1, wherein the track assembly comprises multiple separate embedded conductive electrodes.