Specification of the Invention

Title of Invention

[0001] ThumperCell™

Field of the Invention

[0002] The present invention relates to propulsion systems, and more specifically to electromagnetic pulse-based propulsion within a spherical chamber for generating directional thrust without chemical propellants.

Background of the Invention

[0003] Traditional propulsion methods depend on combustion, turbines, or mechanical thrust, which introduce fuel dependency, wear, and environmental impact. Field-based propulsion using electromagnetic pulses offers a cleaner, mechanically simpler alternative. However, managing pulse reflections and maintaining directional stability remain unresolved challenges in electromagnetic propulsion design.

Summary of the Invention

[0004] The ThumperCell™ propulsion system utilizes electrical energy to activate superconducting electromagnetic coils arranged to pulse the interior walls of a spherical chamber. This pulse generates directional force, moving the chamber and any connected structure. Pulses may originate from a central mass radiating outward or from external coils using targeted field displacement to interact with the interior wall.

[0005] To manage reflective forces from the primary pulse striking the chamber wall, the system includes an Opposing Pulse Dampener, which emits a secondary, phase-controlled pulse to reduce or cancel reflections. This improves thrust stability and efficiency.

[0006] The system is AI-controlled, utilizing Lab-on-Chip (LOC) technology to manage electromagnetic pulse timing, phase control, and energy balancing in real time.

Brief Description of the Drawings

[0007] Figure 1 shows the ThumperCell™ system, including:

- Four spherical electromagnetic chambers positioned on a vehicle frame.

- Electromagnetic coils (1) for generating pulses.

- Primary EM pulse direction (2) for producing thrust.

- Secondary EM pulse (3) for dampening reflected energy.

- AI and Lab-on-Chip control (4) for real-time pulse management.