



Conformal Body Capacitors Suitable for Vehicles

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Summary

The University of North Dakota has patented a vehicle system that includes a fuselage with a plurality of capacitors. The capacitors can store energy and reduce the overall weight of manned and unmanned aircraft. The capacitors are arranged in a ring shape that forms a part of the vehicles structure. The vehicle includes a pair of generally circumferential gaps between the capacitors, which electrically connects the anodes and cathodes.

Advantages

- Space saving
- Reduced weight
- Reduced energy consumption
- Novel design which allows for high levels of capacitance

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