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(57) Abstract :

ABSTRACT: This invention presents an innovative aerial and aquatic defense system designed to enhance security and surveillance capabilities through a unique flying saucer configuration that utilizes two pairs of counter-rotating ducted fans for efficient-lift and superior maneuverability in both aerial and underwater environments. Central to its operation is an advanced AI-driven navigation system that enables real-time, dynamic responses to evolving threats, significantly improving situational awareness and operational effectiveness. The system features a modular payload design that allows for the customization of various sensors and defensive mechanisms tailored to specific mission requirements, making it suitable for military, environmental monitoring, and civilian applications. Additionally, the integration of stealth technologies minimizes radar visibility, while self-defense capabilities, including electronic countermeasures, provide robust protection against potential threats. By incorporating the ability to transition seamlessly between aerial and underwater operations, this innovative approach optimizes energy utilization and promotes sustainability in defense operations, representing a significant advancement in aerial and aquatic defense technology.

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