Patent 5 — Structured Vacuum Energy (SVE) Core

Core Framework for Deterministic Control of Structured Vacuum Energy

One-liner

A **core operating framework** for creating, controlling, and adapting structured vacuum energy fields in real time to stabilize coherence, optimize performance, and enhance system efficiency—without revealing enabling internals.

Elevator summary (kiosk-ready)

The SVE Core patent describes a **foundational control layer** that defines how a structured vacuum energy field is generated, maintained, and adapted for optimal performance. The framework determines the **target system state**, computes a **modulation sequence** based on feedback, and dynamically adjusts control signals to maintain stability. This enables the SVE system to act as a **real-time, adaptive stabilizer**—supporting both quantum and classical systems—while remaining **hardware-agnostic** and software-definable.

What it enables (benefits—outcomes only)

- **Long-term coherence stability** for sensitive computing workloads.
- **Real-time field shaping** to counteract environmental or operational disturbances.
- **Cross-platform compatibility**, delivering benefits without hardware redesign.
- **Energy efficiency** through optimized field dynamics.

Where it runs / compatibility (non-enabling)

- Applicable across **quantum, classical, and hybrid computing**.
- Deployable at the **system, chip, or cloud** level with equal effect.

Who it's for

Organizations needing deterministic control over system stability, from **HPC facilities** and **national labs** to **quantum platform developers** and **AI infrastructure providers**.

Differentiators (safe)

- **Core-level integration** that orchestrates all higher-level SVE functions.
- **Adaptive feedback loop** for continuous optimization.
- **Scalable architecture** supporting multi-layer deployments.

Proof points you can safely state at the booth

- Claim set includes **methods and systems** for determining control parameters, applying modulation, and adapting based on measured feedback.
- Covers **both initial field creation** and **long-term adaptive stabilization**.

Approved FAQs (IP-safe answers)

Q: How is the SVE Core different from SVE Base?
A: SVE Base defines the *method* to generate a structured vacuum field. SVE Core is the **control framework** that governs how that field is created, maintained, and adapted in real time.

Q: Can SVE Core work without new hardware?
A: Yes. It's **hardware-agnostic** and runs at the software/control layer.

Q: How fast can it adapt to changes?
A: The system is designed for **real-time adaptation**, continuously recalculating modulation parameters based on live data.

Q: Is it only for quantum computing?
A: No—it benefits **any system** where stability, coherence, and efficiency are critical.

Q: What's the primary performance benefit?
A: Stability under changing conditions—reducing noise, drift, and decoherence across workloads.