

# Uatu Genesis Engine — Counsel Brief

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- Emergence Gate: single-admin ECDSA P-256 gate, passphrase-encrypted private key, signed triggers, admin overrides
- Digital Psyche Middleware (DPM): reproducible emergent persona behavior via LLM modifiers and update cycles
- Auditable logging: append-only events.jsonl + Convex local backups for provenance and forensics

# Key Claims & Invention Areas

- **DPM (Digital Psyche Middleware)**

Middleware enabling reproducible emergent behavior through layered LLM modifiers and a neurotransmitter-inspired update cycle. Claim families: system, method, signal flow.

- **Emergence Gate**

Cryptographic gate controlling identity permission surfaces (signed triggers, admin overrides) with auditable transition logging.

- **Auditable Provenance**

Convex-state logger + local append-only backups enabling forensic reconstruction and tamper-evident attestation.

# Evidence & Counsel Action Items

- **Evidence to Archive**

DPM experiment seeds + transcripts; events.jsonl (state transitions, edit\_rejection/edit\_override); Convex local backups; persona\_config snapshots; encrypted private package.

- **Immediate Asks for Counsel**

Review claim language; advise on priority claims; confirm retention and chain-of-custody; recommend jurisdictional considerations and OOB passphrase transfer method.

- **Operational Recommendations**

Encrypted private keys; documented OOB passphrase sharing; annual key rotation; dual-sign for wildcard overrides; regular audit cadence.

# **Contacts & Next Steps**

Next steps for counsel:

- Review claim language and advise on priority claims for provisional filing.
- Confirm secure OOB channel for passphrase transfer and chain-of-custody.
- Recommend retention period and jurisdictions for storage/compliance.

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