

# AccelaStudy AI: Patent Portfolio Summary

## Overview

<b>Total Filings</b>	29
<b>Total Claims</b>	637
<b>Total Inventions</b>	164
<b>Total Figures</b>	231
<b>Branded Clusters</b>	32
<b>Original Provisional</b>	Adaptive Vector Intelligence and Network — USPTO Application 63/906,341, filed October 27, 2025
<b>Status</b>	Provisional + continuation-in-part applications on file; utility conversion in progress
<b>Assignee</b>	Renkara Media Group, Inc.

## What the Patents Cover (Plain English)

The AVIAN portfolio protects the specific algorithms, architectures, and methods that differentiate AccelaStudy AI from existing learning platforms. The 29 filings are organized into 32 branded subsystem clusters. Each cluster is a distinct family of inventions; together they span the full adaptive-learning stack from content generation through assessment to readiness prediction.

## Branded Cluster Inventory

Cluster	Coverage	Source Filing(s)
<b>AVIAN Flight Core™</b>	Foundational adaptive engine — bidirectional model updates, GPU-fused kernel, composite sequencing	Original Provisional
<b>AVIAN Origin™</b>	Automated domain-knowledge synthesis, adversarial validation, distinction-readiness scoring	Application A
<b>AVIAN Preflight™</b>	Autonomous distinction extraction, item synthesis, isolation scoring, information-gain estimation	Application B

Cluster	Coverage	Source Filing(s)
<b>AVIAN Airframe™</b>	Topology governance, ring-health monitoring, mutation (split/merge/reassign), version lineage, structural refinement	Application C + structural portions of Application B
<b>AVIAN Watchkeeper™</b>	Content staleness detection, external change-signal ingestion, staleness propagation, targeted resynthesis	Application D
<b>AVIAN Meridian™</b>	Cross-domain semantic intelligence: portfolio-wide index, cascade-correction propagation, contradiction detection, synthesis seeding	Application E
<b>AVIAN Launchpad™</b>	Cold-start domain bootstrapping, synthetic-entity simulation, difficulty pre-calibration, calibration handoff	Application F
<b>AVIAN Manifest™</b>	Knowledge-model versioning, alignment migration, parallel serving, performance-gated cutover, delta-based replication, tiered recovery	Applications G, Z
<b>AVIAN Beacon™</b>	Entity initialization, cold-start resolution, credential projection, cohort anchoring	Application H
<b>AVIAN Avionics™</b>	Multimodal evidence capture, structured telemetry adaptation, reliability-weighted human-feedback fusion	Application I
<b>AVIAN Sentinel™</b>	Behavioral analytics, strategy intelligence, false-proficiency detection	Application J

Cluster	Coverage	Source Filing(s)
<b>AVIAN Zenith™</b>	Cognitive-state detection and flow-aware experience modulation	Application K
<b>AVIAN Bulwark™</b>	Adversarial-entity detection, cross-entity behavioral correlation, bot/proxy detection, containment and quarantine	Application L
<b>AVIAN Flight Path™</b>	Trajectory modeling (velocity/curvature), bottleneck prediction, counterfactual simulation, Pareto optimization	Application M
<b>AVIAN Navigator™</b>	Adaptive curriculum planning, passive engagement credit, spaced micro-intervention engine	Application N
<b>AVIAN Compass™</b>	Calibrated readiness prediction, pass-probability estimation, coverage-weighted proficiency aggregation, confidence bands	Application O
<b>AVIAN FlightDeck™</b>	Adaptive activity-format selection, cognitive-demand profiling, activity class library, suppression/fallback	Application P
<b>AVIAN Proving Ground™</b>	Scenario-based analytical-toolkit assessment, constraint-satisfied scenario generation, tool-scenario mapping, rubric generation, ambiguity calibration	Application Q

Cluster	Coverage	Source Filing(s)
<b>AVIAN Proctor™</b>	Assessment-session composition, blueprint-constrained question selection, adaptive difficulty calibration, score-scale mapping	Application R
<b>AVIAN Copilot™</b>	Conversational knowledge retrieval, implicit proficiency signaling, entity-driven session modification	Application S
<b>AVIAN Crucible™</b>	Technical-interview simulation, position-to-distinction mapping, multi-dimensional response scoring, behavioral competency detection	Application T
<b>AVIAN Clarity™</b>	Explainability and recommendation justification, decision-path tracing, counterfactual explanations, transparency audit logging	Application U
<b>AVIAN Ensemble™</b>	Cohort intelligence, cohort formation, collaborative activity synthesis, peer-teaching credit, group trajectory prediction	Application V
<b>AVIAN BlackBox™</b>	Policy governance, safety-critical constraints, hardware-degradation handling, audit logging	Application W
<b>AVIAN Airspace™</b>	Federated sovereign nodes, bounded aggregate deltas, differential privacy, topology alignment, policy gate	Application X

Cluster	Coverage	Source Filing(s)
<b>AVIAN Embodied™</b>	Autonomous skill acquisition for robotic/embodied agents, sim-to-real transfer, safety constraints	Application Y
<b>AVIAN Decoy™</b>	Retrieval-constrained synthetic-entity validation, RAG-bounded per-entity knowledge stores, cross-representation calibration, divergence aggregation and localization	Application AA
<b>AVIAN Sextant™</b>	Adaptive probing protocol, per-distinction posterior modeling, knowledge-graph activation spreading, optimal cold-start coverage, joint mastery-prediction predicate	Application BB
<b>AVIAN Instinct™</b>	Strategy-fingerprint generation, behavioral modeling, integrity and anomaly detection	Application J + Original Provisional
<b>AVIAN Crosswinds™</b>	Cross-domain mapping matrices, proportional mastery transfer, negative-transfer controls	Original Provisional + Application M
<b>AVIAN Altitude™</b>	General-purpose adaptive intelligence beyond education (logistics, workforce, simulation)	Original Provisional (broader applicability)

Branded cluster names use the ™ mark pending registration in summer 2026.

## Why It Matters

The portfolio protects not just the product but the methodology — the specific algorithms and architectures that make AccelaStudy AI fundamentally different from question-bank and flashcard approaches. Competitors would need to develop entirely different technical approaches to achieve similar capabilities at the platform’s content scale (300+ live courses, 1,400,000+ practice questions, 1,000+ hands-on labs at launch).

**Important Note**

Patent applications are pending. Claims have not yet been examined by the United States Patent and Trademark Office (USPTO). The filing of a patent application does not guarantee that a patent will be granted.

**Further Information**

For detailed technical questions about the portfolio, contact [press@accelastudy.ai](mailto:press@accelastudy.ai).