



36 Submissions

Patent Center #	Receipt date	Attorney docket #	Application #	Title	First named inventor	Preview
72089443	08/30/2025	RUTHERFORD-038-PROV	63/873,379	Quantum Cybersecurity Performance Benchmarking	Brian James Rutherford	Preview
72089433	08/30/2025	RUTHERFORD-037-PROV	63/873,377	Real-Time Quantum Cost-Benefit Analysis	Brian James Rutherford	Preview
72089411	08/30/2025	RUTHERFORD-036-PROV	63/873,375	Enterprise Quantum Cybersecurity Orchestration	Brian James Rutherford	Preview
72089394	08/30/2025	RUTHERFORD-035-PROV	63/873,373	Quantum-Classical Result Fusion Algorithms	Brian James Rutherford	Preview
72088647	08/30/2025	RUTHERFORD-034-PROV	63/873,322	Multi-Tier Quantum Detection Pipeline	Brian James Rutherford	Preview
72088642	08/30/2025	RUTHERFORD-033-PROV	63/873,321	Dynamic Quantum Resource Allocation System with Adaptive Performance Optimization	Brian James Rutherford	Preview
72088638	08/30/2025	RUTHERFORD-032-PROV	63/873,318	Unified Quantum Hardware Abstraction Layer for Cybersecurity Applications	Brian James Rutherford	Preview
72088635	08/30/2025	RUTHERFORD-031-PROV	63/873,317	Machine Learning-Based Adaptive Quantum Analysis Triggers for Real-Time Cybersecurity	Brian James Rutherford	Preview
72088623	08/30/2025	RUTHERFORD-030-PROV	63/873,316	Decision Trees System for Automated Security Response	Brian James Rutherford	Preview
72086533	08/29/2025	RUTHERFORD-028-PROV	63/873,158	Hybrid Quantum-Classical Threat Detection System with Adaptive Resource Allocation	Brian James Rutherford	Preview
72071069	08/29/2025	RUTHERFORD-27-PROV	63/872,381	Cybersecurity-Specific AI Agent Transport Network for Quantum-Resistant Fragment Distribution and Threat Response	Brian James Rutherford	Preview
72070632	08/28/2025	RUTHERFORD-26-PROV	63/872,380	Computational Time Dilation Security System Using CPU Priority Scheduling for Temporal Domain-Based Cybersecurity	Brian James Rutherford	Preview

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72070607	08/28/2025	RUTHERFORD-025-PROV	63/872,379	Temporal Fragmentation Security Engine for Data Protection	Brian James Rutherford	Preview
72070559	08/28/2025	RUTHERFORD-24-PROV	63/872,378	Neural Behavioral Authentication Engine for Dynamic Security	Brian James Rutherford	Preview
72068802	08/28/2025	RUTHERFORD-023-PROV	63/872,377	Protocol Order Authentication System for Secure Communications	Brian James Rutherford	Preview
72063984	08/28/2025	RUTHERFORD-021-PROV	63/872,376	Quantum-Safe Physical Impossibility Architecture for Cybersecurity Systems	Brian James Rutherford	Preview
71948021	08/20/2025	RUTHERFORD-019-PROV	63/867,550	ADAPTIVE ARTIFICIAL INTELLIGENCE SYSTEM FOR DYNAMIC CRYPTOGRAPHIC PROTOCOL ORCHESTRATION IN MULTI-PARTY FINANCIAL TRANSACTIONS	Brian James Rutherford	Preview
71947714	08/20/2025	RUTHERFORD-020-PROV	63/867,537	MULTI-DOMAIN AUTHENTICATION AND AUTHORIZATION SYSTEM WITH CREDENTIAL PORTABILITY FOR AI AGENT NETWORKS	Brian James Rutherford	Preview
71944041	08/20/2025	RUTHERFORD-018-PROV	63/867,359	Ultra-Low Latency Quantum-Inspired Decision Engine withDeliberate Accuracy Optimization for Real-Time Cybersecurity Defense	Brian James Rutherford	Preview
71943700	08/20/2025	RUTHERFORD-014-PROV	63/867,350	TEMPORAL QUANTUM VULNERABILITY FORECASTING SYSTEM WITH AUTOMATED QUANTUM-SAFE MIGRATION PLANNING	Brian James Rutherford	Preview
71943026	08/20/2025	RUTHERFORD-015-PROV	63/867,341	QUANTUM SIDE-CHANNEL DEFENSE SYSTEM FOR POST-QUANTUM CRYPTOGRAPHIC IMPLEMENTATION PROTECTION WITHIN MWRASP TOTAL DEFENSIVE CYBERSECURITY PLATFORM	Brian James Rutherford	Preview
71933392	08/20/2025	RUTHERFORD-013-PROV	63/867,075	Federated Quantum Threat Intelligence Network with Privacy-Preserving Multi-Organization Protocols, Zero Trust Architecture, Quantum-Verified Incident Response with Optimized Latency, and Quantum Homomorphic Encryption	Brian James Rutherford	Preview
71933039	08/20/2025	RUTHERFORD-012-PROV	63/867,060	Automated Vulnerability Discovery and Security Validation System for Post-Quantum Cryptographic Implementations Using GPU-Accelerated Quantum Attack Simulation	Briant James Rutherford	Preview

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71932505	08/20/2025	RUTHERFORD-017-PROV	63/867,044	Culturally-Adaptive Differential Privacy System with Federated Learning for Multi-Jurisdictional Threat Intelligence Sharing Among Defensive AI Agent Networks	Brian James Rutherford	Preview
71932402	08/20/2025	RUTHERFORD-016-PROV	63/867,039	DELIBERATE ERROR TOLERANCE ARCHITECTURE (DETA) FOR ULTRA-LOW LATENCY QUANTUM-INSPIRED THREAT DETECTION WITH CONTROLLED ACCURACY TRADEOFFS	Brian James Rutherford	Preview
71878621	08/15/2025	RUTHERFORD-010-PROV	63/864,645	DYNAMIC TOPOLOGY MORPHING WITH BLOCKCHAIN-ANCHORED MIGRATION FOR QUANTUM-RESISTANT DEFENSIVE CYBERSECURITY	Brian James Rutherford	Preview
71872679	08/15/2025	RUTHERFORD-009-PROV	63/864,463	METHOD AND SYSTEM FOR MICROSECOND TEMPORAL FRAGMENTATION OF DIGITAL COMMUNICATIONS	Brian James Rutherford	Preview
71872518	08/15/2025	RUTHERFORD-008-PROV	63/864,457	BYZANTINE CONSENSUS INTEGRATION WITH SEMANTIC DECEPTION FORCYBERSECURITY SYSTEMS	Brian James Rutherford	Preview
71872371	08/15/2025	RUTHERFORD-007-PROV	63/864,451	Cross-Cloud Byzantine Fault-Tolerant Consensus System for DORA Compliance	Brian James Rutherford	Preview
71871476	08/15/2025	RUTHERFORD-006-PROV	63/864,446	MICROSECOND TEMPORAL FRAGMENTATION METHODOLOGY FOR DIGITAL COMMUNICATIONS	Brian James Rutherford	Preview
71867709	08/15/2025	RUTHERFORD-003-PROV	63/864,339	DYNAMIC TOPOLOGY MORPHING WITH BLOCKCHAIN-ANCHORED MIGRATION FOR QUANTUM-RESISTANT DEFENSIVE CYBERSECURITY	Brian James Rutherford	Preview
71867691	08/15/2025	RUTHERFORD-004PROV	63/864,336	POWER-EFFICIENT GPU-ACCELERATED PARALLEL BATCH VERIFICATION SYSTEM FOR POST-QUANTUM CRYPTOGRAPHIC SIGNATURES WITH ADVANCED THERMAL MANAGEMENT AND SIDE-CHANNEL RESISTANT RANDOMIZATIO	Brian James Rutherford	Preview
71867654	08/15/2025	-	63/864,334	QUANTUM BENCHMARK-DRIVEN TEMPORAL CORRELATION SYSTEM FOR HARVEST-NOW-DECRYPT-LATER ATTACK DETECTION THROUGH MATHEMATICAL WOVEN RESPONSIVE ADAPTIVE SWARM PLATFORM WITH HIERARCHICAL AI AGENT COMMUNICATION PROTOCOLS	Brian James Rutherford	Preview

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71862509	08/14/2025	-	63/864,314	POWER-EFFICIENT GPU-ACCELERATED PARALLEL BATCH VERIFICATION SYSTEM FOR POST-QUANTUM CRYPTOGRAPHIC SIGNATURES WITH ADVANCED THERMAL MANAGEMENT AND SIDE-CHANNEL RESISTANT RANDOMIZATION	Brian James Rutherford	Preview
71476980	07/22/2025	RUTHERFORD-02-PROV	63/849,834	Culturally-Aware Differential Privacy System with FFT-Optimized Privacy Loss Distribution	Brian James Rutherford	Preview
71467637	07/21/2025	RUTHERFORD-001-PROV	63/848,424	Bio-Inspired Operative Swarm System for Distributed Homomorphic Computation with Byzantine Fault Tolerance in Defense Cybersecurity Applications	Brian James Rutherford	Preview