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## Cignal Awarded New U.S. Patent, Expanding Its Intellectual Property Portfolio for AI Security Solutions

***New patent protects Cignal's proprietary method for creating high-fidelity synthetic data, a key component for deploying mission-critical AI systems.***

**REEDSVILLE, PA, July 16, 2025** - Cignal LLC, a company founded by former FBI operational and intelligence experts, today announced the issuance of U.S. Patent No. 12,361,099. This new patent expands the company's existing intellectual property portfolio, which includes U.S. Patent No. 11,893,088 and other patents pending. It further protects its novel method for creating high-fidelity synthetic data used to train and test artificial intelligence systems across a diverse range of modalities and use-cases, including security screening, defense, manufacturing, and healthcare.

"Building a strong intellectual property portfolio around our core technology is fundamental to our mission," said Eric Fiterman, CTO of Cignal and the patent's inventor. "This patent protects our unique ability to create incredibly realistic, complex scenarios that simply don't exist in the real world. It allows our team to provide the highest level of assurance to our government partners, ensuring their AI systems are truly tested and ready for deployment against emerging threats."

The newly awarded patent, titled "Method and Apparatus for Creating High-Fidelity, Synthetic Data for Artificial Intelligence Model Training and Inference," protects Cignal's foundational technology. This patented capability is a key enabler for the company's full suite of services—from AI Assurance and Validation to the creation of Digital Threat Twins—that help partners de-risk their mission-critical AI systems.

### About Cignal

Leveraging deep law enforcement and homeland security expertise, Cignal helps organizations deploy high-assurance artificial intelligence (AI) solutions and reduce risk at security checkpoints, airports, and public venues. The company focuses on solving the most complex security challenges through unique applications of AI, digital threat twins, and synthetic data. Cignal provides government and industry leaders with the clarity and confidence needed to deploy mission-critical security and safety technologies.

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