

‘Fingerprinting’ physical items

Full traceability, provenance, and anticounterfeiting with just a photo

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A zero-trust model for your physical parts, products, and supply chain. Every item identified, verified, and traced, ensuring only verified items enter your value chains and operations, minimizing risks.

Description of Technology

- FeaturePrint machine-vision that provides a unique, persistent, and inherent identifier for items, like fingerprints for people.
- Serializes all items, enabling full traceability and provenance, eliminates counterfeits and gray market items, and reduces human error.
- With just a picture, ‘sees’ and codifies surface flaws and variations created by manufacturing processes, yet invisible to human eye.
- Addresses the \$3T global problem of traceability and fraudulent goods, which can lead to poor equipment performance, mission failures, and potential loss of life for service members.
- 99.9% accuracy with ZERO false positives.
- Developed in-house in Bellevue, WA. >55 issued patents.
- Deployed with commercial customers in aerospace, automotive, precious metals, luxury brands, and collectibles.

Innovation Synopsis

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- No need for visible or invisible added proxies like barcodes, QR codes, etchings, stickers, tags, or markers which can be damaged, removed, transferred, or faked.
- Only needs pictures from standard off-the-shelf industrial cameras or mobile phones.

Specific Benefits to the Government

- Streamline inventory management and traceability, eliminate counterfeits and fraudulent items, and reduce human error from misidentification.
- Saves time and mistakes in tedious inventorying on-base, in-field, and in theatre.
- Ensures only correct and authorized parts are installed on computers, ships, aircraft, and systems, avoiding costly mishaps.
- Supports DOD INSTRUCTION 4140.67 COUNTERFEIT PREVENTION POLICY
- Supports the Assistant Secretary of Defense for Sustainment 2023 Strategic Plan: LOE 1.2.5: Improve item-level serialization and modernize the DoD Item Unique Identification Program; and LOE 1.3.4: Improve the quality of logistics information through Artificial Intelligence and Machine Learning