

InventionHome® Inventor Creates QR Code-Based Verification Platform for Improving Delivery Accuracy and Package Security

PITTSBURGH, PA, UNITED STATES, April 1, 2026 /EINPresswire.com/ -- Alyssa S. of Chatham, MA is the creator of the Software QR Code to Protect Consumers, a platform that integrates software infrastructure, QR code scanning hardware, and durable location-based QR labels to confirm that packages are delivered to the correct destination prior to drop-off.

Last-mile delivery errors remain a persistent issue across logistics networks, with misdelivered packages contributing to financial losses, customer dissatisfaction, and operational inefficiencies. In addition to incorrect deliveries, the absence of precise verification mechanisms increases exposure to fraudulent claims of non-delivery and limits the ability to validate delivery location in cases where GPS data is unavailable, inaccurate, or insufficiently granular.

This system introduces a standardized verification workflow in which each delivery location such as a residence, mailbox, or business entry point is assigned a unique QR code identifier. This identifier is physically represented by a weather-resistant label affixed at the delivery point. Corresponding QR



codes are generated and printed on shipping labels during the fulfillment process.

At the point of delivery, the operator scans both the package label QR code and the fixed-location QR code using a compatible scanning device. The system software compares the two identifiers in real time to confirm whether the package is being delivered to the correct destination. If a match is verified, the delivery is authorized and logged; if not, the system can prompt corrective action prior to completion.

The QR labels are designed for durability and visibility. Each label measures approximately 2 inches square and is constructed from UV- and weather-resistant materials. The inclusion of glow-in-the-dark properties enhances usability under low-light conditions for supporting accurate scanning during nighttime or limited-visibility deliveries.

All scan events and associated delivery data are recorded within the platform to create a verifiable chain of custody from shipment origin to final delivery point. This data can be accessed by logistics providers and consumers for auditing, dispute resolution, and operational analysis. The system is designed to function as a universal platform, allowing integration across multiple carriers, delivery services, and fulfillment systems without requiring proprietary infrastructure constraints.

Key features and benefits include:

- **Dual QR Code Verification System:** Requires scanning of both the package label and the destination QR code to confirm delivery accuracy.
- **Improved Delivery Precision:** Reduces the chance of incorrect deliveries by ensuring physical location matching prior to package drop-off.
- **Fraud Mitigation:** Provides verifiable proof of delivery location to help reduce false claims of non-receipt and associated chargebacks.
- **Delivery Event Logging:** Captures and stores scan data and delivery details for auditing, tracking, and dispute resolution.
- **Universal Compatibility:** Integrates across different logistics providers for enabling a standardized approach to delivery verification.

The Software QR Code to Protect Consumers platform provides a structured verification layer to last-mile logistics by combining physical identifiers with digital validation processes.

Alyssa filed her Utility Patent with the United States Patent and Trademark Office (USPTO) and is working closely with [InventionHome](#), a leading invention licensing firm, to sell or license the patent rights to her Software QR Code invention. Ideal licensing candidates would be U.S. based product manufacturers or distributors looking to further develop and distribute this product innovation.

Companies interested in the Software QR Code to Protect Consumers can contact

InventionHome at member@inventionhome.com. Inventors currently looking for assistance in patenting, marketing, or licensing their invention can request information from InventionHome at info@inventionhome.com or by calling 1-866-844-6512.

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