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Patent Search

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Abstract:

Here's a storage-tracking system. Businesses must manage and control rising stock levels. Academics and business leaders say supply chain integration and collaboration is growing. This is supply chain strategy. Supplier-retailer cooperation should reduce costs and improve customer service. Cooperation improves supply chain efficiency and competitiveness. Logistic Supply Chain Management with Multiple User Collaboration Platforms describes logistics collaboration. Today's businesses face many forces and businesspeople have observed supply chain integration and collaboration for 20 years. Without a dedicated system, it's hard to track thousands of products in a smart inventory management system and method monitors warehouse and retail store goods in real time for more efficient stock retrieval. The system uses IoT RFID chips. At least one wireless RFID reader can read RFID-tagged store products. The system uses IoT and AI to monitor stock and detect discrepancies in real time. Businesses keep track of inventory. This illustrates supply chain logistics.

Complete Specification

The technical field of invention:

The present invention is related to the RFID, sensor systems, and artificial intelligence algorithms for tracking store (inventory) items placed in storage space.

Background:

Inventory management is crucial for business success. Traditional inventory management methods can't track inventory between outbound and inbound logistics within a warehouse.

This causes higher logistics costs, backorders, stockouts, inaccuracies, and lower customer satisfaction.

It manages imports/exports and product flow. With growing inventories, businesses must manage and control them effectively. Without a dedicated system, managing thousands of products every day can be difficult.

Supply chain management moves goods from suppliers to manufacturers to distributors to retailers to final consumers through a network of facilities and distribution channels. A supply chain management system includes all related activities. Supply Chain Management (SCM) is the process of managing the sequence of events using multiple user collaboration platforms and associated methods.

Implementing SCM systems and methods has helped businesses improve their decision-making processes for production, purchasing, scheduling, transportation, warehousing, order processing, inventory control, information management, and customer service.

The most important part of the current disclosure is how it can help a company manage its supply chain with automated tools.

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Application Details

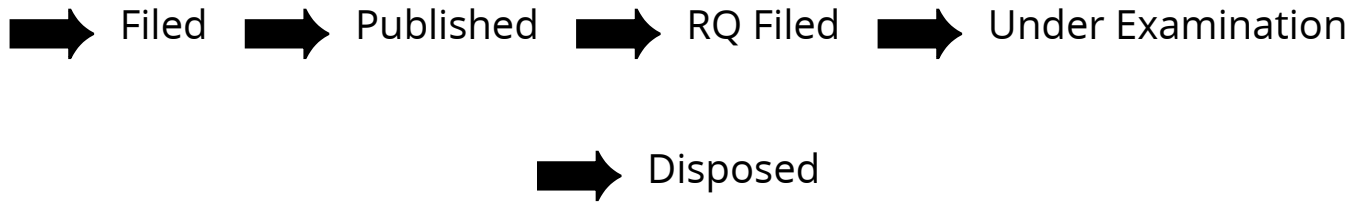
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APPLICATION STATUS

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