



REV 2
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Patent No. US 8,695,872

Apparatus Improving Item Transactions with Real-time Controls and Navigation

Invention describes real-time control system increasing shopping efficiency, maintaining item quality, inventory, and directing customer transactions, requiring handling and processing of items only once. Invention controls access to items inside modules via card with unique embedded identification features. Invention stores customer transactions and entered shopping lists. Invention per customer selected shopping list and items availability, will in real-time navigate customer to complete required transactions within customer selected criteria. Invention controls card identification features and modules containing items. Invention based on card identification and item identification such as barcode information will store customer executed transactions, and will require customer to pay for completed transactions before leaving the store. Invention in real-time maintains inventory of items, controls environment surrounding items, and reports items exceeding shelf life limit preventing their transaction. Invention analyzes transactions executed by the card, correlates transactions to customer at payment module, stores behavior patterns for future optimizations of transactions.

