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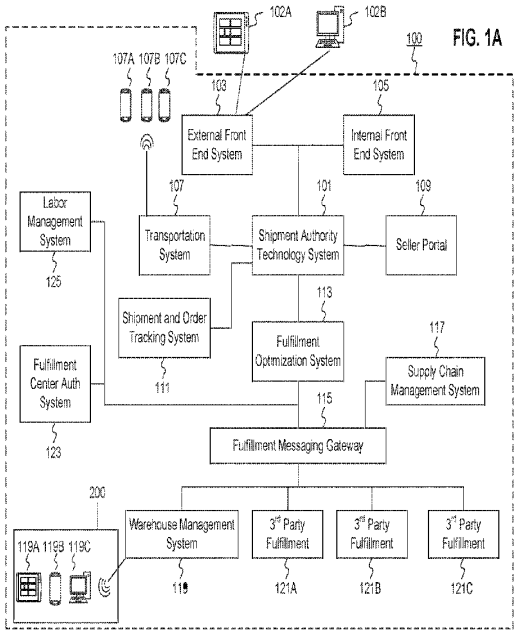
(54) Title: ELECTRONIC INVENTORY TRACKING SYSTEM AND ASSOCIATED USER INTERFACES



(57) Abstract: A computer-implemented system for tracking items in a supply chain. The system may comprise a memory storing instructions and at least one processor configured to execute instructions. Those stored instructions include receiving a first input that an item has entered a first station, the input comprising a first location identifier; assigning an inventory identifier to the item; storing the location identifier and the inventory identifier in a data store, associating the location identifier with the inventory identifier; receiving a second input comprising the inventory identifier and a second location identifier when the item is moved to a new station; storing the new location identifier when the item is moved to a new station; storing the new location identifier such that the new location identifier is associated with the inventory identifier with at least one previous station associated with the inventory identifier; receiving a request for a diagram; generating a diagram tracking the item using at least the inventory identifier and at least one location identifier, wherein

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the diagram tracks the item from the inbound station to the most recent station; and transmitting the diagram for display.