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(54) Title: SYSTEM AND METHODS FOR DETERMINING PICK AISLE ARRANGEMENTS

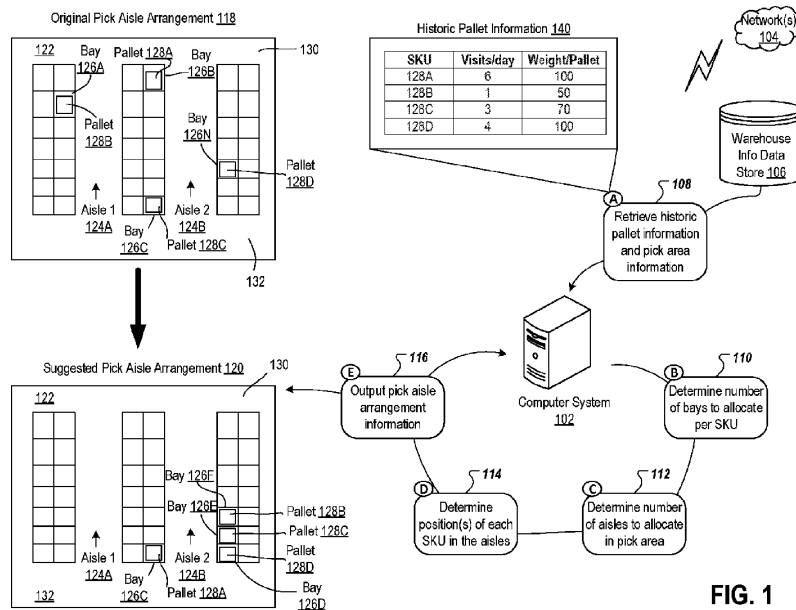


FIG. 1

(57) Abstract: Disclosed are systems and methods for determining a pick area arrangement for a storage facility. A method can include retrieving, by a computer system, historic pallet information for pallet SKUs and pick area information, determining, based on the information, a number of bays to allocate for each pallet SKU, determining, based on the information, a number of dynamic bays to allocate in the pick area, which receive pallet SKUs in high demand during a particular time, determining, based on the information, quantities of aisles to allocate as pick aisles in the pick area by simulating aisle arrangements with pallet SKUs from the historic pallet information and determining average travel times to complete pick orders having the pallet SKUs in the aisle arrangements, selecting the quantity of aisles providing a lowest average travel time, and assigning each pallet SKU from the historic pallet information to bays in the quantity of aisles.

[Continued on next page]

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