

SHIPMENT SUPPORT APPARATUS

ABSTRACT

Efficiency of a product shipment operation is improved by reducing the number of foldable containers and the number of shipments by matching shipment timing for each product as much as possible, and optimizing a foldable container loading amount and a delivery vehicle loading amount.

A shipment support apparatus includes: a product information storage unit that stores a store stock amount and a store sales amount trend for each product sold in a store; a shipment threshold storage unit that stores a first threshold related to the store stock amount and a second threshold larger than the first threshold for each product; a stock amount prediction unit that calculates a predicted value of the store stock amount after a predetermined period for each product, based on information stored in the product information storage unit; a first candidate extraction unit that extracts a product of which the store stock amount is less than the first threshold as a first shipment candidate product; a second candidate extraction unit that extracts a product of which a predicted value of the store stock amount is less than the second threshold as a second shipment candidate product; and a shipment unit that performs processing related to shipment of the first shipment candidate product and the second shipment candidate product.

Fig. 2