

DELIVERY SUPPORT APPARATUS

ABSTRACT

A cargo bed loading rate of a delivery vehicle replenishing products to a retail store is improved to reduce the frequency of service of the delivery vehicle, thereby contributing to reduction in labor hours of people involved in distribution and reduction in greenhouse gas emissions.

A delivery support apparatus includes: a storage unit that stores a store stock amount and a store sales amount trend for each store and each product sold in the store; a 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 unit that calculates a predicted value of the store stock amount after a predetermined period for each product for one store; a unit that extracts a product of which the store stock amount related to the one store is less than the first threshold as a first delivery candidate product; a unit that extracts a product of which a predicted value of the store stock amount related to the one store is less than the second threshold as a second delivery candidate product, and a unit that performs delivery arrangement processing of delivering the first delivery candidate product and the second delivery candidate product to the one store using one vehicle.

FIG. 2