

ABSTRACT

Reinforcement learning is performed on control conditions of the perishable product environment by using information regarding freshness of perishable products by a freshness sensor to automatically control the perishable product environment. There are provided: a freshness determination section 520 acquiring information regarding freshness of a perishable product contained in a storage container; and an analysis section 530 learning, by reinforcement learning, an inside environment of the storage container for the freshness of the perishable product acquired by the freshness determination section 520 to decide a reward used in the learning. The analysis section 530 decides the reward based on the decrease in the freshness over a certain period of time under the inside environment for the freshness determined based on the freshness acquired by the freshness determination section 520. Then, the analysis section 530 learns the inside environment for the freshness based on the decided reward.

15

FIG.2