

ABSTRACT

A derivation apparatus may include: an ethylene amount derivation unit that derives an ethylene amount by which a ripening degree or a degradation degree of an article is advanced, based on a first coefficient that is specified for the type indicated in type information, a shipping amount, volume, and a transportation period of the article, in the transportation period, by referring to first coefficient information that indicates a first coefficient for each type, the first coefficient indicating an amount of ethylene per at least one of unit time or unit weight that advances a ripening degree or a degradation degree of the article, among amounts of ethylene generated by the article; and a usage derivation unit that derives a usage of an adjusting agent to be used during the transportation period, by referring to second coefficient information that indicates a second coefficient for each type, the second coefficient indicating a usage per unit ethylene amount of an adjusting agent for adjusting the ripening degree or the degradation degree of the article that is advanced by ethylene generated by the article, based on a second coefficient that is specified for the type indicated in the type information and an ethylene amount that is derived.

FIG.10